

```

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<210> 4880
<211> 2365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)...(728)
<223> similar to gi3879185 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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tgcttcgact acgacagggc gtgcccagct cggccgtgct tcgtggggga atggagcccc 180
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caggagcctc agaacggcgg ggcgccttgc ccaccctgg aagagagagc tggctgcctg 300
gagtactcca ccccgccagg ccaggactgc gggcacacct atgttcctgc ctttataact 360
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acagaggatg ctggatactg tatggagttt aagacagagt ccttgactcc tcaactgtgt 480
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aagtcattgt caatgtttcc taaaccttca attttgcca aagtcccaa acacatcatt 840
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aattgctttc	attctgaaaa	ttctaccacc	atgtgcatct	aagattat	ccaaggctta	1500
aagcctgaag	ctgaataaaa	taatctttca	gagtccagct	tcaagtttag	ttgatgtaag	1560
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<210> 4881
<211> 2449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(1066)
<223> similar to gi3874290 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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cccttgctgg	ccacaccaa gcaagtgcct ccgtgaaatt cagcccgaat ggagagtggc 240
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agtccaacct	tattgtctca ggatcctttg acgaaagcgt gaggatatgg gatgtgaaaa 540
cagggaagtg	cctcaagact ttgccagctc actcggatcc agtctcggcc gttcatttta 600
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<210> 4882

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (264)...(642)

<223> similar to gi4588080 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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caatcagaag	agcagtgatg	gtttccaata	tccttttaat	taataaggta	aatgagaaaa	360
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tggatggtga	gattggaaac	tttgaagtgg	gcaaggaatt	tgatgccatc	ctgatcaacc	480
ccaaagcatc	cgactctccc	attgacctgt	tttatgggga	cttttttggg	gatatttctg	540
aggctgttat	ccagaagttc	ctctatctag	gagatgatcg	aaatattgaa	gaggtttatg	600
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tcctcaccc						729

SECRET

```
<210> 4884
<211> 6692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2978)
<223> similar to gi2224607 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
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caggagccat	gcagttcaca	gcagtagctg	gatctccctg	aggacatttg	tccttgcata	5940
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gggggcactc	tctgtaactc	agcatcacag	tggggggcag	ctgggaggcc	tggttccagg	6060
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gcaggaaactt	ggggtcgcag	agtcccggcc	tgtctcaggg	ccttgttcat	ggaagggaga	6180
tgagtacaggt	tgaaagctca	tcgtgtaggg	ttctgtgcgg	ggcccttaca	ggactggacc	6240
gcagccaaga	tgccctgctg	ttaaccatgc	ccagcccccg	tcatttccgc	gtgaagccgc	6300
aggcctcgga	gccttgggtt	gaaatgcctg	tggagtaacc	tcggtccata	aacatgggtg	6360
cacagtcctg	tctccccaa	tacagggcag	gaggaaacac	cgcctctgtt	agctgctcga	6420
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tttgaatcca	tagtgtcttt	ctgtattcac	ttttaattgc	ttctaaatt	agctgagaaa	6540
ttctgacttg	aaatattgtc	aggtaagcat	ttcttcagtt	ttcatgtgtg	tatgtaacag	6600
tagcttttga	tggaaattgt	aatcagagtc	aaatacagta	ttgaattgga	tgtactgcct	6660
tctcctccta	aatcaataaa	catctttcat	gg			6692

```
<210> 4885
<211> 684
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (5)...(215)
```



```

ggagagtggg ggtccagggc tgggtgctgct cttccctcag ctctgccggg gctctaaggt 1140
ccctctatatt atttctcaac cctggctggc ctctcaccag gagtttaggc tgaatgcctt 1200
ccacgtgatg gaggaaaagg ccaactctgt cctggctctg ctgtggcacc ccatcgcccc 1260
acagctcgtg ccttctcacc agattcccct gaatccaaac tcgtggtgca aacctctacc 1320
ttttttacaa aaagatctta ttgttaattt attgtttctg gcacttgggc aaacctgtgta 1380
gttaatactc ctcccacact agacactggg ttccaggagg agggagactg ccctgctttg 1440
gtcccagaga ggccctctgc agataggcgt ggccctctt cagaggacac taccctaggg 1500
cactttctct ttgagggtga gagacccata aagccttgac cacatcactc catatgggga 1560
ggagaaggat ccctgtcacc ttctcctctc ttcacggggc ccttttgtag ccctaggcct 1620
catctgtggg aagggaagtcc ctggcttata ctgccccac cacagctcct tgcctggcc 1680
agaactgctg tcgaagaaaa tcaggccgga aggccaagaa ggcgctaagg gggatgggag 1740
ggcagggttt ccaggctgga gtcggttcca cccactcgcc tgtccacagg cttccttgta 1800
agcaagttag cagcacagct actcacgctg ccatctggac ttattttatg tcaatctgtt 1860
tataaataaa aaccaatata gataaaaaaa aaa 1893

```

```

<210> 4887
<211> 1319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1320)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (231)...(437)
<223> similar to gi549986 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4887
ataaaatatt agggactttt cttggtagag atggaaatcc aaataaacgg aatgtgcaca 60
atgaaacatc tatgcatatt ttgtgtatgg gacctcaaat tatgatatct gaaggagccc 120
ttcatcctcg cttggcacgc cccacagaag atgatttcag aagagcagat tgtctgcaga 180
tggctcttaa atggaaagga gcaaaacttg accagggtga atatgagaga gcagctattg 240
atgctgttga taacaaaaaa aacacaccct tgcaactatgc tgctgcctca gggatgaaag 300
cctgtgtaga gcttttagta aaacatggag gagacttggt tgctgagaat gaaaataaag 360
atactccttg tgattgtgct gaaaagcaac accacaaaga tttggccctc aatctggaat 420
ctcaaatggg attctcacgg gatcccgagg ctgaagaaat agaagctgaa tatgtgcat 480
tagacaaacg agagccatat gaaggattaa ggcctcagga tcttcgtaga ctaaaagata 540
tgcttattgt ggaaactgca gacatgcttc aggcctctct ctttactgct gaagctttac 600
ttcgagctca tgactgggac agggagaaat tacttgaagc ttggatgtcc aaccgggaga 660
actgctgcca acgatcaggt gttcaaatgc caactccacc accaagtggg tataatgcct 720
gggacacgct cccatctcca agaactccaa ggactacacg ctcttctgtc acctccccag 780
atgaaatcag cttatctcct ggggatttag acaccagttt gtgtgacatt tgtatgtgca 840
gtatctctgt atttgaagac cctgtggata tgccctgtgg acatgacttt tgtagaggat 900
gttgggagtc gtgagtatat gagcacctta gcatctctta ctgcatgata gcactctgat 960
ttgttaataa aattgtttgc tttcagtatt taatgatgca aattgtttat attgacttct 1020
gagttacaca gaaatgaatt tagactttac tagtaaggaa aaatattttt gtttttattt 1080

```

ttacgtcttc	cccagctatt	ttaattaatg	ctatttagct	taatgtaagg	tacctttaga	1140
aacaaagcag	gtatacaa	aatttttctt	agtatttttag	tttatattac	atctaagtga	1200
aatttcaggc	aagaatcagt	ttgtcttata	tcccaggaat	cttaagcatt	tggttntgtg	1260
ctgtctcaat	tttttgtgac	aaccaaattg	ccttgaaaat	ctttaagaat	atagatggt	1319

<210> 4888

<211> 1586

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1333)...(488)

<223> similar to gi726395 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4888

tttttttttg	gtggtttctca	aactgtgttc	ctagaagcat	cccatgtgcc	cccaggccaa	60
gaggtccagg	ttctaccccg	acccacatcc	cctgaatcag	agcagctttt	tttttttttt	120
aaaaattttg	atctgtttca	cacattatat	ttgtttgaac	ttcccatggt	taaaaatttt	180
gaagaaaatc	cctggagtag	acaatcccta	gagcactgac	atgctgtggt	ccaaggttca	240
ccaggaacag	tgccctgtgcc	ctgccacatg	gcgggggttc	ttcaagcctc	tggtgatgaa	300
ggtgctcagg	gaaaggagga	cggaggggcg	cgggaaggacc	cagccactgc	tggccaccct	360
ggcctctgct	ctgtgttcac	gggggagcag	actctgggga	ggcgccctc	ctcaccacgg	420
cctgcaggcc	gggctggagc	ctgcgccttc	aggggccttg	catctccagc	tggacccct	480
ggcacaggat	gtgctgcagt	agcccgttga	ccacatccag	agtctcgtcc	ttctccagca	540
cgatgtcata	ggagtccatg	tagcgtctcc	gccgtctctc	caccttgtca	ttcaggaagc	600
caattttgag	aatgttctgc	acaccaggaa	ccccatcggc	catggtgagg	tccccgatag	660
agtctccag	caggatgaca	ttggttttgc	cctcaagttg	ctggaagtaa	ccacagttct	720
cacacgcaga	gctgttcttg	ttgtatgtgt	gtatgagctg	gcccttaaat	ccctggagaa	780
aaccatcttc	attaaaatcc	atgtagttag	acacgatgtg	gatgttgggg	tggaacactt	840
tcatctgtcg	gataatttct	tccaggatat	caccaatgcc	cgcagaaaag	atgaaaaggg	900
gaatgttggt	atggtagagt	gtgttgaaga	aggtcttata	tccctccctg	agcattgcat	960
tggactctct	aaccacctgg	gctatctgaa	acttctgaat	cttctgctga	cataggagat	1020
tgtgcgcttt	ggtccaccat	tccaccatat	gaggtagctt	ctccttgacg	gtccgggtgtg	1080
ggtcgatctc	aattgggtaa	tagtgggtgaa	ggagcgctgt	gagctctttc	cgacactcct	1140
cactgatgat	cttgctatta	tccagaatat	tgtaagaaga	agggcatcgc	tttccattat	1200
atgcaaacct	gctcaaggtc	atgtcaaaat	cagaaatcac	ctgtaaccgg	tctccgccgc	1260
ccttgcgag	ggcgcccacg	atctcctgca	cccgcccagg	ctgccgcctc	aggaccgtgg	1320
ccttcacag	gggtgctcac	tgtcccagaa	cccagagaga	ccactgaacc	ctgcgccacg	1380
ctgggcccga	ggggagcccg	gggctcgctc	gggcgcgcgt	gtgaggcggg	gccgggggtgc	1440
gcgagggggc	ggctactggc	ctgggtgaag	cggcggtgcc	tcggtgacca	gctggggggc	1500
tcgaagcgcc	ccgggggtcg	gagtccgggc	ccgccccact	ccggacgctt	cctccctcct	1560
cacctccaca	accatcccgt	tcgagg				1586

<210> 4889

<211> 5241
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (5242)...(889)
 <223> similar to gi2224553 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4889

tcttaattct	actccgga	gaaaaat	taacagcc	ggaattgg	ttggtttt	60
cccttttccc	cttaaaaa	tttttttt	ccaaaagc	taaatttt	aggggggt	120
ggcccataag	tccccccc	aaaaaaa	ttcttttc	aaaatccc	ggagggtt	180
aaatggcccc	ccataaag	aaaaattt	ccttgcca	cccgggta	attgggccc	240
ccaagggttc	ttttaaa	gccccccc	tttttttt	tgtgttaa	agctttaat	300
tcgctcattg	cggcttct	gcacagta	aaatattg	catgatca	atgtttgt	360
ctggggaagg	gggcaagg	aggggga	accttctt	aaagtaca	ccaagttg	420
agggcagagg	gggtgagg	aaaaccct	ccgtgcct	ggcaaagt	aggagcccc	480
acccccaaac	taacctga	ccagcccc	tggggaaa	aggggtgc	gaactcccc	540
tattccacag	gcgcctcc	gtggccca	gcctgcac	ccctccag	tgcagccct	600
acaggagcca	ttttgcata	agtgaaa	tctgaagg	acacgctc	ggttatgt	660
aggggcttgg	aggaggga	ctgcccc	agccccct	ctgcccc	gcaccggg	720
ggagcttcga	gggaaggg	tatttaca	aggagcag	ctcattcc	cccaaact	780
agaggacgaa	atggcttt	ccgggagg	ataacctt	tgccccca	tactgtcc	840
gtcctgaggg	ggtactata	gtcctggc	cttctcag	gtccctca	tgctgtgg	900
agctgtggag	ggacctgg	gtgggggg	gggctggg	gccccctc	agccaggct	960
tcagggcccc	gactctgg	gtggaggc	tggcgggg	gcctgggc	tgccagagt	1020
cgagctgggt	gaggtggg	cagggcccc	tgcgggct	ggagtggg	caggggcag	1080
agcggtgcca	gtgggggg	gtacaggg	aggagctc	gctccagg	gctgtccg	1140
gggagtggca	gcctgcat	tcttctgg	cacctcac	atcttcaa	gcagacaa	1200
cttgagggga	aagatgtc	catagcgg	ctggaagg	gctgtggc	gggctgac	1260
gaagaagcca	tggctctg	agagctgc	gaccaggg	cggcgctg	ccagggtg	1320
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gggctccgag	ctgcagct	agcgtctt	catcttgc	ttgggcg	tggggtct	1500
gggtgctgaa	tccaggtc	tggagtct	cctcttct	cggtaaag	ccaggatg	1560
ccgggggtg	gtggccag	actgcagg	gggggagg	agcacctc	caggccgaa	1620
ctcaggcaac	tcagcaaa	gctcttcg	gtccactt	gacaggac	tggtgtcc	1680
agagtcaaa	gtcttctt	ggggcggg	ccgcacct	accttctt	cagtaccag	1740
cgcctccttg	cgtccggg	tgtccccg	tgcccgcc	ctgctgct	cgctgctg	1800
accaggggct	acagctgg	ctggggcc	gctgggag	gtgggagg	ccccacga	1860
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gatggctgcc	ttcacttt	ggggggcc	cgggctgg	cgctgggc	tgggggcc	2220
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acaggcaggc	ggcagctg	gactgggc	aggtgacac	cccacctga	cgggagcc	2520
cagtggggct	tggcctgt	agagcaggg	ctgcacga	gcggggcc	tgggcccc	2580

cgaggtgaag	cctagagcta	cagagctcgt	gggcccgtac	gaggtgactg	ttccagcctg	2640
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cccctgggca	atgaactgga	cagcaggggg	cgcagggggc	ccataccccg	gggtgcccac	3420
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atcaatgtca	gtggtgccga	agccattgtc	agcaatgaca	tcatcatccc	cttcctcctc	4380
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agaagctcgg	gtgggcagca	gcgggggccc	cccagtggcc	gccaaggcac	ctccctcacc	4500
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tgcagggccca	gacaccatct	gcgtcagttc	ctgtagcgcc	tgactgtcta	cttctccgcc	4620
gtccaggctg	tgtaccccg	tgtgggagaa	agctcggggc	cgggctgagc	caggtcccc	4680
aactgtgtgt	agccgttctg	ccccacagga	gctgctcccc	ggagccttgg	tgtctgagct	4740
caggagtgtc	tgggctgcaa	cggacaggag	ctcagaggac	accccagggg	cagcagcagt	4800
gcccgctccc	gacatgctcc	gctcccgcgt	ctccttgtgc	cctcctgcca	gccccaggct	4860
cgtgggcttg	gcctctgagc	tggacttctt	tgggtccttg	ttgcaccact	tccaatctgg	4920
gtgggccttg	aagtgggcct	ccttcacctg	gaaggccagg	tcgtgggtact	tttgcttctc	4980
cttgggcccc	agggcatacc	accactcgcc	caggatcttg	ctgacggtcc	ggttgctcctg	5040
gttgggatga	cgctggtgga	ccagggcccg	gtgccgcttg	ctgaagatca	tgaaggcatt	5100
catgggccgc	cggatgtggt	ccttctcccc	cttggtgggg	ctgcgtccat	ccttctcaga	5160
agatgagtc	cgttccttgg	gtagggcact	gagggactgg	gtccgacgtt	ttccgggcgg	5220
tagaggcaac	tggatctcag	g				5241

<210> 4890
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(396)
 <223> n = a,t,c or g
 <220>
 <221> misc_feature
 <222> (3)...(83)
 <223> similar to gil64386 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4890
 tcatgtctat gattgaccct ccccgggctg ctgtgccaga tgctgtgggc aagtgccgaa 60
 gcgcaggcat caagggtactg gcctcccatc ctcccctcca ttctagcctc ccccatgcca 120
 gagttcaagg agctgcagtg gctgctgccc tggaaaggcc caggccacgg nggcctcctt 180
 cccactgact caaagaagaa gctgtccatc tgcaaggaaa ggcccacccc tgccttgagg 240
 cactcaccct tatccctttt gctcagagag gccagtgtcc catgcccctc ctctccctcc 300
 ctggcacagc tctttgtccc atctgcatgt gtacccttcc attctgattt gaagcataat 360
 ctggcactcc tatcttgaag acctagtgtt cctaa 395

<210> 4891
 <211> 744
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (11)...(596)
 <223> similar to gi219867 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4891
 catcctggga acagtgtatc ttttgctgga gaaccatctc tgcgtgcaag agacggccgt 60
 ctctgtgtag agcttcatca tggagtcggc caatggctgg catgacatca tgttccagct 120
 ggagttcttt atgcccctcg gcatcatctt attttgctcc ttcaagattg tttggagcct 180
 gaggcggagg cagcagctgg ccagacaggc tcggatgaag aaggcgaccc ggttcatcat 240
 ggtggtggca attgtgttca tcacatgcta cctgcccagc gtgtctgcta gactctatctt 300
 cctctggacg gtgcccctga gtgcctgcga tccctctgtc catggggccc tgcacataac 360
 cctcagcttc acctacatga acagcatgct ggatcccctg gtgtattatt tttcaagccc 420
 ctctttccc aaattctaca acaagctcaa aatctgcagt ctgaaaccca agcagccagg 480
 aactcaaaa acacaaaggc cggaagagat gccaatctcg aacctcggtc gcaggagttg 540
 catcagtgtg gcaaatagtt tccaaagcca gtctgatggg caatgggatc cccacattgt 600
 tgagtggcac tgaacaagca gaccaacaac actgaggaag atagagtggg gacttagaat 660
 taactcgtgc taaggggtcg ggggctttga aaatgccacc cccctttctt attgcaagac 720
 ggcttctcgc acatgaactg catc 744

<210> 4892
 <211> 1790
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (50)...(238)
 <223> similar to gi4884190 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4892
 gcgtcgacat tgaggaattc atggtaactt ctgaaaatth aaccgaagaa taaaattaag 60
 agcctcaaaa tcagtttcca atggaacagc taagcctgcc acttctgaga actttgatga 120
 agatttgaag tgggtagaag aaaatattcc ctcttcattc acagatgtag ctcttccagt 180
 gttagtggat tcagatgagg aaatcatgac cagatctgaa atggctgaaa aaatgttctc 240
 ttcagaaaaag ataatgtgat tggaaaccgt ataagaaatg tagttaagcc tgaaggacta 300
 tccttcatca agactgaaa tgagctttga tttgatattg cctaaaaatt tttattgtgt 360
 tatcttgga gtctgtgat caaaatgaag aattcagatg gtaggaggtt ctatagtcct 420
 tttaaagctg actcttgagt gtcagttgaa tatccattaa attggatttg gaaataacct 480
 gaggaagta ttatgataaa gatctgcaca gatgcctctt agctgatagg tgggcaggcc 540
 tgtgggtttg gggttctccc tcttttctct ggaacatatg acaattccag attaaagaaa 600
 aatgtttttt aataaaatacc cttggtcttt cttctagtca cttttgaggt agatattgtg 660
 attttctgga gtatagtata tccgtgtctc tgtgtcttag gtttactaga tgcaataata 720
 cttctctttg acatttgtac tgaagtgatt tgatattaag ttaaacagtt aatgtttgaa 780
 tattggcata tttatagggt ttttccgctc cccccaacc caccggtttt taaaaaatct 840
 atacaaagcc cttgtttgag tctcatcatg cacatcaaatt catggagtta ggtcttctct 900
 gagctcaggg gaacacaagt gcacagagag agatgtcttg agggtcacta ccaaagaatt 960
 accctcattg tccctcactc aggccatgtg tacatgcgat gctgctgagt gtgctggggg 1020
 tgggtggtgg ccacgtggct cccccagagc acttcctaac tggcaagctg ggagacccat 1080
 tactggtgaa ctttgtggaa attagaactg tatcttttac ataactcttg catattacat 1140
 ttcataataa aaacatacat ttagttgcat gctacatcac tattgatttt ataattaatt 1200
 tcttaagctt caaccatgtt ttatacctta tttcgttaca tcatatatgt gtaatgtgta 1260
 atatggaaat cttttggcct taatgtcctt tttttaaaat gtagaatgtt ctaaacttga 1320
 aaggcaattg aatgtagtat gatgaaaatg tgaatgtttt gctgctttca tgaccaaga 1380
 tacagggcta gtggacattt agaataataa ttaaagctag agtcttgtat gtcttttctt 1440
 tgaaggagtt ctaaccttgt aaattgagaa tgacttcaga gaattttgat taagaaaaca 1500
 ttaaaatctt aaccggcaca aacactccaa ttttttttca ctgtggaagc cgcaagcaat 1560
 tttttttttc tttttctttc aaaagcctgc cttctgaatt tatttcttgt ttactcattt 1620
 cagagagggg agtaaaaga atctatttct ggtagtcata tcgcttgaaa ggtattggta 1680
 aaggggttgg cgagtcgtga ccatgtggaa agggaacagt gttggcagag attggggaga 1740
 aaatcaggcg tgtcagggtg cccttgctgt gggatatcct tcctagggag 1790

<210> 4893
 <211> 644
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (2)...(145)
 <223> similar to gi3916257 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4893
 gaaaaaaaaa a 11

<210> 4894
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(339)
 <223> similar to gi306785 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4894
 agtcaatgct gtcagttttt tcccaaatgg atatgccttc gccactggct ctgatgatgc 60
 cacttgccgg ctctttgacc ttcgtagcaga tcaagagtta ttattgtatt ctcattgacaa 120
 tatcatctgt ggaatcactt ctgtagcctt ctcaaaaagt gggcgtctct tgttggtctg 180
 ttacgatgac ttttaattgta atgtatggga cacgctaataa ggagatcgtg caggtgtcct 240
 tgctggatcat gacaaccgtg tgagctgctt aggtgtaact gatgatggca tggctgtggc 300
 aacaggctct tgggacagtt ttcttagaat ctggaattaa cagtgtccat acatatttgt 360
 tctccattga tatatctgga gaaatcaatg ctacagccta tagctgtgaa aaaattctac 420
 cttatatttg caggtgaag 439

<210> 4895
 <211> 2111
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2112)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (7)...(888)
 <223> similar to gi488196 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4895

cgagtagtga atcgcatgag ccgtttccag aaaagtgtctg gactggaaga gattgaacaa 60
gaactgacgt ctaagcaagg aggtcgctgt agccctgttc cagggctatc aagcagccct 120
tctgggtcac ccttgcatgg gaaactgaac agccaagact cctataacaa ttttaccac 180
aacaaccctg gcaaccctcg gctctctcct cttcccagct tgatggtagt gatgcctctt 240
gcacaaatca agcagccaat gacattgggg accatcacca aacgaaccgg caaagttaaa 300
cctcctccac aaatttcacc cagcaaatcg atgggcggag aattttgtgt ggctgctatc 360
ttcggaacat ccaggtcatg gtttgcaaat aatgcaggtc tgaaaagaga aaaagatcag 420
tccaaacaag ttgtagttga gtccctgtac attatcagtt gctatggcac cttagtggaa 480
cacatgatgg agccgcgacc cctcagcact gcacccaaga ttagtgacga cacaccactg 540
gaaatgatga catcgccctcg agccagctgg actctgggta gaacccctca atggaatgaa 600
ttgcagccac cgtttaatgc aaaccaccct ctgctcctcg ctgcagatgc agtacagtat 660
tatcagttcc tgcttgctgg cctggttccc cctggaagtc ctgggcccac tactcgacat 720
gggtcttacg acagtttagc ttctgaccat agtggacagg aagatgaaga atggctttcc 780
caggttgaaa ttgtaacaca cactggaccc catagacgtc tgtggatggg tccacagttc 840
cagttcaaaa ccatccatcc ctccaggcca accacagtta tctcatccag ttcattctgtg 900
ttgcagtctc atggtccgag tgacacgcca cagcctcttt tggattttga tacagatgat 960
cttgatctca acagtctcag gatccagcca gtccgctctg accccgtcag catgccaggg 1020
tcatcccgtc cagtctctga tccgaagggga gtttccacag tgattgatgc tgcctcaggt 1080
acctttgaca ggagcgtgac cctgctggag gtgtgcgggg gctggcctga gggcttcggg 1140
ctgcggcaca tgcctccat ggagcacacg gaggaggggc tccgggagcg acttgccgac 1200
gccatggccg agtcacatnt agccgggacg tccgtgggatc cggaacagaa cttcagcgag 1260
aggggaagcat cgagactctg agtaacagct caggctccac cagcggcagc ataccaagaa 1320
actttgatgg ctaccgatct ccgctgccc ccaatgagag ccagcccctc agcctcttcc 1380
cgactggctt cccgtaggta ccagcaacct gcttctgact ggccagcccc ctcccctgct 1440
ggaggagggg agaagccccg ctctggctct acccttcagt ctctgctctt ccttcatcaa 1500
ccaccttccc caagcttagt gacagcagcc gcccatccta cctggatgga gaagagacc 1560
ttctccaagc acctcagcgc acttgccctc tgccacacct gtcggtggag gctgtggcca 1620
ggagagactg tagaagctcg gtccctgtgt atgtttgcat atgacatcct gcattggatc 1680
cgcttttgta ttttttaacc ataccacgg tggggcgggg ggggggagcc tggaacagtg 1740
accagatctg ggggcctgag tggggacaga gttgatcgtc cacctggcca ttttgaccct 1800
gagtggacag tcacagcctc agctcatgtc tggctgtgac acacactgcc cccagcttcc 1860
cttggtcagc cccactccag cagggggtga acggaggccc agagtactag ggaaggagga 1920
agggaggaca tgcctcttct tctcctttc tttcccatc tgttcttggg aagagtttgt 1980
ctttcttate ttttaagccc tttaccctgg tctgtactg atcagtgaag gaaaccgtgg 2040
ttactgaggc cctgttgaaa agtgcacgtc ttgtccaata aatcacgctg cagttgggtg 2100
ccaaaaaaa a 2111

<210> 4896

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1487)

<223> similar to gi5911314 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400>	4896					
atgcctcagt	tactgcaaaa	cattaatggg	atcatcgagg	ccttcaggcg	ctatgcaagg	60
acggagggca	actgcacagc	gctcacccga	ggggagctga	aaagactctt	ggagcaagag	120
tttgccgatg	tgattgtgaa	acccacgat	ccagcaactg	tggatgaggt	cctgcgctctg	180
ctggatgaag	accacacagg	gactgtggaa	ttcaaggaat	tcctggtctt	agtgtttaaa	240
gttgcccagg	cctgtttcaa	gacactgagc	gagagtgtctg	agggagcctg	cggctctcaa	300
gagtcctgaa	gcctccactc	tggggcctcg	caggagctgg	gcgaaggaca	gagaagtggc	360
actgaagtgg	gaagggcggg	gaaagggcag	cattatgagg	ggagcagcca	cagacagagc	420
cagcaggggt	ccagagggca	gaacaggcct	ggggttcaga	cccaggggtca	ggccactggc	480
tctgctggg	tcagcagcta	tgacaggcaa	gctgagtccc	agagccagga	agaataagc	540
ccgcagatac	aactctctgg	gcagacagag	cagaccaga	aagctggaga	aggcaagagg	600
aatcagacaa	cagagatgag	gccagagaga	cagccacaga	ccagggaaca	ggacagagcc	660
caccagacag	gtgagactgt	gactggatct	ggaactcaga	cccaggcagg	tgccacccag	720
actgtggagc	aggacagcag	ccaccagaca	ggaagaacca	gcaagcagac	acaggaggcc	780
accaatgacc	agaacagagg	gactgagacc	cacggtcaag	gcaggagcca	gaccagccag	840
gctgtgcagc	gaggacatgc	tcagatacag	gcagggacac	acaccagac	acccacccag	900
accgtggagc	aggacagcag	ccaccagaca	ggaagcacca	gcaccagac	acaggagtcc	960
accaatggcc	agaacagagg	gactgagatc	cacggtcaag	gcaggagcca	gaccagccag	1020
gctgtgcagc	gaggacacac	tcagatacag	gcagggtcac	acaccgagac	tgtggagcag	1080
gacagaagcc	aaactgtaag	ccacggaggg	gctagagaa	agggacagac	ccagacgcag	1140
ccaggcagtg	gtcaaagatg	gatgcaagtg	agcaaccctg	aggcaggaga	gacagtaccg	1200
ggaggacagg	cccagactgg	ggcaagcact	gagtcaggaa	ggcaggagtg	gagcagcact	1260
cacccaaggc	gctgtgtgac	agaagggcag	ggagacagac	agccacagt	ggttgggtgag	1320
gaatgggttg	atgaccactc	aaggggagaca	gtgatcctca	ggctggacca	gggcaacttg	1380
cataccagtg	tttctctcagc	acaggggccag	gatgcagccc	agtcagaaga	gaagcgaggc	1440
atcacagcta	gagagctgta	ttcttacttg	agaagcacca	agccatgact	tccccgactc	1500
caatgtccag	tactggaaga	agacagctgg	agagagtttg	gcttgtcctg	catggccaat	1560
ccagtgggtg	catccctgga	catcagctct	tcattatgca	gcttcccttt	taggtctttc	1620
tcaatgagat	aatttctgca	aggagcttct	tatcctgaac	tcttctttct	tacctgcttt	1680
gcggtgcaga	ccctctcagg	agcaggaaga	ctcagagcaa	gtcaccctct	tgtactgaat	1740
tgtctcatc	ttgggggggg	tttcaggact	atttttatct	ctgacatctc	tctattgccc	1800
catctaccct	aatgcatcaa	taaaacctta	agccactgga	aaaaaaaaa		1849

```
<210> 4897
<211> 421
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (113)...(321)
<223> similar to gi212485 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 4897
cggacgcgtg ggcagagcag catatctcca tcattggcat tcaccatcac tatgaagggc 60

```

ttcactgctt ttgccatcct tggcttagca gtcactgctt gggctacctc gccatatggg 120
acaaagagat caagaatttc aactcagaaa acttcatgaa ggtaaagtga ttcagtgtac 180
cagggtattct gagggcatgta ccatggacta cacacttcac tgtggatctg atggaaatgt 240
atattccaac agatgtacct ttgcaatac cgttgtgaag agccaagggtg caatttggtt 300
gaaaaattat ggattgtgct gaatctccct gatgcttaag gatatcaagt ctcctttggc 360
agattccact tagataacca gtttgtcttg gacggctgag gaggcaagca ataactctggt 420
a 421

```

```

<210> 4898
<211> 792
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (696)...(174)
<223> similar to gi3873871 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4898
tttttttttt ttctcggcac aaaagctcat gatttaatga ggaacagaaa caaaatctct 60
gattgttggt gtttcaaact tcattggcgt cctctggcaa gcacaagttg atccctctgc 120
agcttcaata ccctttagcc tgatgacagc ttcatTTaac agatcatttt tccttgatgg 180
aggtggcaag cgtaacagtg ttctgggcct gcttcagtaa tggcatgtcg atcatactcc 240
cttggaaggt aaaggccccc ttctctaatt gttgatgttc tttaaaggca gcaatcagtt 300
cttcagccca cttaattttt tcaggggaag gagaaaactg ctcttgacc acggcaattt 360
ggttagggtg aatcacctgc ttaccagtga agcccatggc ggctccttct cgtgactgtc 420
taagcagccc agctccatct cgaaagtcaa tgtacaccag atctacggct tggagaccaa 480
aggctttcgc tatgacaaca atcttttgcc gggcgtagag aatatccagg gtttctttac 540
tacttgttgc acctatgctg gctcgaaagt cttctcctcc aaaaacgact gcatctagaa 600
agagacctac ttgaggcccg accttcaggg ttcttcaca cactgcctta aaattgagca 660
aaccattgc agtttcaca aaagggatta aattcattgg ttgttcaagt ttctggcctt 720
ttaagtggaa tgaaaatttg tctgcaaact aaaatcagaa gtgaattcgc gcacacaacn 780
tagggtctcg at 792

```

```

<210> 4899
<211> 3414
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(1192)
 <223> similar to gi386787 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4899

ggcaggagg	agggagccag	aggaaaagaa	gaggaggaga	aggaggagga	cccggggagg	60
gaggcgcggc	gcgggaggag	gaggggcgca	gccgcggagc	cagtggcccc	gcttggacgc	120
gctgctctcc	agataccccc	ggagctccag	ccgcgcggat	cgcgcgctcc	cgccgctctg	180
cccctaaact	tctgccgtag	ctccctttca	agccagcgaa	tttattcctt	aaaaccagaa	240
actgaacctc	ggcacgggaa	aggagtccgc	ggaggagcaa	aaccacagca	gagcaagaag	300
agcttcagag	agcagccttc	ccggagcacc	aactccgtgt	cgggagtgca	gaaaccaaca	360
agtgagagg	cgccgcgttc	ccggggcgca	gctgcgggcg	gcgggagcag	gcgcaggagg	420
aggaagcgag	cgcccccgag	ccccgagccc	gagtccccga	gcctgagccg	caatcgctgc	480
ggtactctgc	tccggattcg	tgtgcgcggg	ctcgcgcgagc	gctgggcagg	aggcttcggt	540
ttgccctggt	tgcaagcagc	ggctgggagc	agccggtccc	tggggaatat	gcggcgcgcg	600
tggatcctgc	tcaccttggg	cttgggtggc	tgcgtgtcgg	cggagtcgag	agcagagctg	660
acatctgata	aagacatgta	ccttgacaac	agctccattg	aagaagcttc	aggagtgtat	720
cctattgatg	acgatgacta	cgcttctgcg	tctggctcgg	gagctgatga	ggatgtagag	780
agtccagagc	tgacaacatc	tgcaccactt	ccaaagatac	tgttgactag	tgctgctcca	840
aaagtggaaa	ccacgacgct	gaatatacac	aacaagatac	ctgctcagac	aaagtcacct	900
gaagaaactg	ataaagagaa	agttcacctc	tctgactcag	aaaggaaaat	ggacccagcc	960
gaagaggata	caaagtgtga	tactgagaaa	cactcagaca	gtctgtttaa	acggacagaa	1020
gtcctagcag	ctgtcattgc	tgggtggagt	attggctttc	tctttgcaat	ttttcttata	1080
ctgctgttgg	tgtatcgcat	gagaaagaag	gatgaaggaa	gctatgacct	tggagaacgc	1140
aaaccatcca	gtgctgctta	tcagaaggca	cctactaagg	agttttatgc	gtaaaactcc	1200
aacttagtgt	ctctatttat	gagatcactg	aacttttcaa	aataaagctt	ttgcatagaa	1260
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atcccattgt	atttaaaaca	tttcatgtat	ttctttagaa	caacataaaa	ttaaaattta	1380
acatctgcag	tgttctgtga	atagcagtgg	caaaatatta	tgttatgaaa	accctcgatg	1440
ttcatggaat	tggtttaaac	ttttatgcgc	aaatacaaaa	tgattgtctt	tttcctatga	1500
ctcaaagatg	aaagctgttt	catttgtgtc	agcatgtctc	agattgacct	taccaagttg	1560
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gtagcttttg	gcagatttgc	aacagcaaat	taatgtgtaa	aattggatta	ttactacaaa	1860
accgttttagt	catatctatc	taatcagatc	ttcttttggg	aggatttgat	gtaagttact	1920
gacaagcctc	agcaaaccce	aagatgttaa	cagtatttta	agaagttgct	gcagattcct	1980
ttggccactg	tatttggttaa	tttcttgcaa	tttgaaggta	cgagtagagg	tttaaagaaa	2040
aatcagtttt	tgttcttaaa	aatgcattta	agttgtaaac	gtctttttta	gcctttgaag	2100
tgcctctgat	tctatgtaac	ttgttgacga	ctggtgttaa	tgagtatatg	taacagttta	2160
aaaaaaaaagt	tggtatttta	taagcacaga	caattcta	ggtaactttt	gtagtcttat	2220
gaatagacat	aaattgta	ttgggaacat	aaaaactact	gaataaatca	tgtggcctaa	2280
tattgaaaat	gtcactgtta	taaattttgt	acatttttga	tcaaatgtac	atctcccctt	2340
tgctaacggc	cgtctgctct	cagggttgacg	tgggtttgat	ttctaagtgt	ttcacagtgt	2400
ctgtaaatca	agaccaaaga	gcctgtcgat	gagactgttt	attaccagat	tcacttctga	2460
attggccaga	ggaaatctga	atgtattatc	ctgtgtgtgt	ctaggtagag	atattggaag	2520
gctgccaggg	gatttcgaag	tttgcaacct	ttataggata	actgatggca	atattaagac	2580
agacgcctgc	ttttgcaaat	aacttacaag	actgtaaatt	ccaaagatct	gaatggggct	2640
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cagggaaacca	ccctaggcag	ggaggctctg	tgtgttaaaa	tgagggtctc	actgcttttag	2820
gattgaagtg	gctggaaaga	gtgatgcctg	gggaaggaga	tggagttatg	agggtactgt	2880

0948373E 013100

ggctgtgact	ttctgtacta	aacatttcct	ttttctat	taccactaat	tttcttttaa	2940
actgtgagcc	gtccaagtca	gaagaagaca	gcaaaaaaag	caacttttcc	aacatacaat	3000
ttacttttaa	taaagtatga	atatttcatt	ttgagaacat	tccttggaat	tgccacataa	3060
ttcattaaaa	acattttttt	aagcaacact	tggaacagt	tttactttta	atccttaagt	3120
gccttaatta	attctcagat	tcctgcccc	tcacttacag	aaccaattca	ctttagagtg	3180
actaaaagga	aacgatagcc	tagcttttcta	aagccacgct	gtgtccctca	attacagagg	3240
gtaggaatgg	gtatacctct	aactgtgcaa	agcagagtga	aattcaattc	atagaataac	3300
aactgctggg	aatatccgtg	ccaggaaaa	aaaaatttct	ggcaaatatt	ttgtcactgc	3360
tgtaaaagcaa	aatattttgtg	aaagtgccaa	aataaaagtct	gtcatgccaa	aagt	3414

<210> 4900

<211> 1463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (145)...(702)

<223> similar to gi3928000 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4900

cgtgtgctcc	tcacattcac	gcagactgag	actgagctgc	ccgaggaaga	gtgtgaaggc	60
cccaagctgc	ccaccgaacg	gccctgcctc	ctggaagcat	gtgatgagag	cccggcctcc	120
cgagagctag	acatccctct	ccctgaggac	agagagacga	cttacgactg	ggagtacgct	180
gggttcaccc	cttgcacagc	aacatgcgtg	ggaggccatc	aagaagccat	agcagtgtgc	240
ttacatatcc	agaccagca	gacagtcaat	gacagcttgt	gtgatatggg	ccaccgtcct	300
ccagccatga	gccaggcctg	taacacagag	ccctgtcccc	ccaggtggca	tgtgggctct	360
tgggggccc	gctcagctac	ctgtggagtt	ggaattcaga	cccagatgt	gtactgcctg	420
cacccagggg	agaccctgc	ccctcctgag	gagtgccgag	atgaaaagcc	ccatgcttta	480
caagcatgca	atcagtttga	ctgccctcct	ggctggcaca	ttgaagaatg	gcagcagtgt	540
tccaggactt	gtggcggggg	aactcagaac	agaagagtca	cctgtcggca	gctgctaacg	600
gatggcagct	ttttgaatct	ctcagatgaa	ttgtgccaag	gacccaaggc	atcgtctcac	660
aagtcctgtg	ccaggacaga	ctgtcctcca	catttagctg	tgggagactg	gtcgaaggag	720
cattcaatgc	aagaggacaa	tggagcagga	tctacacaat	tctaaagaaa	agcaagcatg	780
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gactcaaaac	agagaatcca	ggaatgcata	gatcctggta	aaaaagggtg	gagatgagta	960
ataaattcat	ttgtgtagga	ttaagactaa	tcaactaaca	attatattat	agaacataac	1020
ataaatatca	gaaatcttga	cattatctaa	ataataaaat	gaaaactaat	tgagatttgg	1080
agagatgagg	tagatgat	agtttggtg	tgtccccacc	caaattctcat	attgaattgt	1140
agctcccata	atccccatgt	gttgtgggag	ggacccagta	agaggtaatt	gaatcatggg	1200
gatgggtttt	tctcatactg	ttcttgtgac	agtgaataag	tctcatgaga	tatgatgggt	1260
tcataaagg	cacttcccc	gcacacgttc	tcttgcttgc	cagcatataa	gacataacta	1320
cataactttg	ctcctccttt	gccttctgcc	atgattatga	ggcctcccca	ggcatgtgga	1380
actgagtcaa	ttaaacctct	ttttctttat	aaattaccca	gtcttgggta	ttgcttcata	1440
gcagtttgat	aatgaatgaa	tac				1463

```

<210> 4901
<211> 1330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (200)...(633)
<223> similar to gi2996196 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4901
cttctcacca ccacctteta gcagctccct cactggagag gcggccatca gccgcagctt    60
ccagagtctg gcatgttccc cgggcctccc cgctgctgac cgctgtcct actcaggccg    120
ccctggaagc cgacaggccg gcctcgggccg cgctggcgac tcggcgggtgc tgggtgctgcc    180
gccttccccg ggccctcggt cctccaggcc cagcatggac tcggaagggg gaagcctcct    240
cctggacgag gactcggaag tcttcaagat gctgcaggaa aatcgcgagg gacgggaggc    300
ccccgcacag tccagctcct ttgggtctct gcaggaagcc ctggaggctg aggagagagg    360
tggcacgcca gccttcttgc ccagctcact gagccccag tcctccctgc ccgcctccag    420
ggccctggcc acccctccca agctccacac ttgtgagaag tgcagtacca gcatcgcgaa    480
ccaggctgtg cgcattccagg agggccggta ccgccacccc ggctgctaca cctgtgccga    540
ctgtgggctg aacctgaaga tgcgcgggca cttctgggtg ggtgacgagc tgtactgtga    600
gaagcatgcc cgccagcgct actccgcacc tgccaccctc agctctcggg cctgagcccg    660
ccatgccctc agcctgcctc actgctgggc cagggctcat cctatataag ttggcatggc    720
agggacaatg gtgggcagtt gctcttacat gagctaagtt tggagacctg agggcccttt    780
gtcctcgctg ggtgggcca ggtctgggac ctgtcttggg ctgtgggaga ctcaccctca    840
ccttgccagg cctctccctt gcaggactgg cattgcacta gtctgagggt gccactgcct    900
ttgatcaacc tttgtgtgcg aggggtctaag taggggtcgaa cacagaagtg ggaaggagag    960
gggtgggcca ggggctaatt gtgtcactgt gtaaagtttt tgacatacta gctctataaa   1020
tatatgaata tggacaaaaa aaaaaaaaag gggggggccgt tttaaaggat ccttgggggg   1080
gccaaagtgt acgcgggctt gcaacgtcat agttttttcc ttataggagg tcgaattata   1140
acctacctgg gaatttttgg aaaggacctt tatttttggg gggggacata ttgggacaaa   1200
ctccctacag aaattaaagg ctttagggaa aatataaaat tttaaagggg ataaggggta   1260
aaacaacctg catatgctgg ctgtttgaaa gttttgctaa cggagtttga tttatgaaaa   1320
ttttatcccc                                     1330

```

```

<210> 4902
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(372)
<223> similar to gi2232174 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4902
ggaattcggc ggccgacctg gccatctttg ccctttgggg gctcaagccc gtggtctacc      60
tgctggccag ctcttctcctg ggcctgggcc tgcaccccat ctcgggccac ttcgtggccg      120
agcactacat gttcctcaag ggccacgaga cctactccta ctatgggcct ctcaactgga      180
tcaccttcaa tgtgggctac cacgtggagc accacgactt cccagcatc ccgggctaca      240
acctgccgct ggtgcggaag atcgcgcccc agtactacga ccacctgccg cagcaccact      300
cctgggtgaa ggtgctctgg gatcttctgt ttgaggactc cctggggccc tatgccaggg      360
tgaagcgggt gtacaggctg gcaaaagatg gtctgtgagc ccgggctgcc tcctgggtgg      420
ggccattgtc ccccatcggc ccctcagcct tgcaccccag cactgagaag ctacatttcc      480
ttcctgtgct ctggactgct gcccttgtcc ccgaggagtg tcccgcgag ccacacctgg      540
caacagcagt gtgggctgca gggctccgtc tgcacgtgga cttgccctgg accttgagt      600
tggccctccc tttctgggcc tccccagggt aggcctggcc ctgccccacc atgacctggg      660
tgctctgagc ccacgggtcc cacggagctg acttctccgg ggtgcctgtg ccctacatta      720
aaccggcgct ttgtttca                                     738

```

```

<210> 4903
<211> 2299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (196)...(1235)
<223> similar to gi5596646 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4903
agcatggagg ggcttgccctc tgttcatatc tcttgccctct gttcatttct tttgggtccc      60
ctttcctcct tttccctcca tccactgta agcaatttag tgggattcag tcattaaaag      120
ggtattaggc tgaatgtgac aagcgtgcc caagcccagg gtggttctca caggatcccc      180
actgtccctg tccccagga accaaacgcc aacagtgtag cttggaacac ccagtgtgag      240
gacatgctct gcttctcggg aggaggctac ctcaacatca aagccagcac cttccctgtg      300
caccggcaga agctgcaggg ctttgtggtc ggctacaatg gctccaagat cttctgcctc      360
catgtcttct ccatttctgc cgtggagggt cgcagtcctg ctcccatgta ccagtacctg      420
gataggaaac tgttcaagga agcctaccag attgcttgct tgggtgtcac agacactgat      480
tggcgtgaac tggccatgga agcgttagaa ggttttagatt ttgaaacagc aaagaaggag      540
aggaagaagc ggggagagac caacaatgac ctgtttcttg cagatgtgtt ttcctaccag      600
gggaagtccc atgaggccgc caaactgtac aagaggagtg ggcacgagaa cctcgcgctt      660
gaaatgtata ccgacctctg catgtttgag tatgccaagg atttccttgg atctggagac      720
cccaaagaaa caaagatgct aatcaccaaa caggctgact gggccagaaa tatcaaggag      780
cccaaagccg ccgtggagat gtacatctca gcaggagagc acgtcaaggc catcgagatc      840
tgtggtgacc atggctgggt tgacatgttg atcgacatcg cccgcaaact ggacaaggct      900
gagcgcgagc ccctgctgct gtgcgctacc tacctcaaga agctggacag ccctggctat      960
gctgctgaga cctacctgaa gatgggtgac ctcaagtccc tgggtgcagct gcacgtggag      1020
accagcgcct gggatgaggc ctttgctttg ggtgagaagc atcctgagtt taaggatgac      1080
atctacatgc cgtatgctca gtggctagca gagaacgac gctttgagga agcccagaaa      1140
gcgttccaca aggtggggcg acagagagaa gcggtccagg tgctggagca gctcacaac      1200
aatgccgtgg cggagagcag gtttaatgat gctgcctatt attactggat gctgtccatg      1260

```

cagtgcctcg	atatagctca	agatcctgcc	cagaaggaca	caatgcttgg	caagttctac	1320
cacttccagc	gtttggcaga	gctgtaccat	ggttaccatg	ccatccatcg	ccacacggaa	1380
gatccgttca	gtgtccatcg	tcctgaaact	cttttcaaca	tctccagggt	cctgctgcac	1440
agcctgcccc	aggacacccc	ctcgggcatc	tctaaagtga	aaatactctt	caccttggcc	1500
aagcagagca	aggccctcgg	tgcctacagg	ctggcccggc	acgcctatga	caagctgcgt	1560
ggcctgtaca	tccctgccag	attccaaaag	tccattgagc	tgggtaccct	gaccatccgc	1620
gccaaGCCct	tccacgacag	tgaggagttg	gtgcccttgt	gctaccgctg	ctccaccaac	1680
aacccgctgc	tcaacaacct	gggcaacgtc	tgcatacaact	gccgccagcc	cttcatcttc	1740
tccgcctctt	cctacgacgt	gctacacctg	gttgagttct	acctggagga	agggatcact	1800
gatgaagaag	ccatctccct	catcgacctg	gaggtgctga	gacccaagcg	ggatgacaga	1860
cagctagaga	ttgcaaacia	cagctcccag	attctgcggc	tagtggagac	caaggactcc	1920
atcggagatg	aggacccggt	cacagctaag	ctgagctttg	agcaagggtg	ctcagagttc	1980
gtgccagtgg	tgggtgagccg	gctggtgctg	cgctccatga	gccgccggga	tgtcctcatc	2040
aagcgatggc	ccccacccct	gaggtggcaa	tacttccgct	cactgctgcc	tgacgcctcc	2100
attacatgt	gccccctctg	cttccagatg	ttccattctg	aggactatga	gttgctgggtg	2160
cttcagcatg	gctgctgccc	ctactgccgc	aggtgcaagg	atgacccctg	cccatgacca	2220
gcatcctggg	gacggcctgc	accctctgcc	cgccttgggg	tctgctgggc	tgtgaaggag	2280
aataaagagt	taaactgtc					2299

<210> 4904
 <211> 1083
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1007)...(458)
 <223> similar to gi201910 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4904		
tttttttttg	gagttcataa aatcttttcc gagccagcgg tatgcagcca gagctccaaa 60	
gttcaaaggc	attgccgttg ggttcaagtg ccccccaagg ctgttgctca gtcacagctt 120	
ccagagcttc	cttcccacca cactgccagg agctgccaga gccccatgc agcccctgac 180	
cccagttccc	tcccaggtcc cagggcctga ccctggatat ctggggcaag gtgctcggga 240	
catagataag	tgaatgggtg tgcagaggcc cagtggagag tcacatctcg gtctcagcca 300	
acagactgtc	ccctagtccct gacgtcatta gcaccatctg agagctggga tcgctggggc 360	
acatccagga	gctgctgcct ctctggtggg cagcaggctc ccgccctctc tccatttcc 420	
tgggtggttg	cagccccctc tgccacttcc tctctctcct ctccctcaga gaggaggtca 480	
cagatctggt	gctgcagctc tgggctaata ctgttctcag ccaacaccag gctccgcaaa 540	
gctgtggggg	aattttctac catgtccagc agggctctgag ctgactggtt ggtgagccct 600	
gtgccctcca	agtctaggac ctctagggtg cgactagagg ccacagctac agccagcatt 660	
cctgccacat	ggtcaccacg ggggttgtaa tccagattga ggacgcggac ctgggagctg 720	
tgggccacgg	caatggcaag gcggctccag cccttagggg tgatgccagg gttggcactc 780	
agcgttagct	ccttcaagcc agatttggcc ccactctggg gcaggaggcc acagatgagg 840	
ttgatggctt	catcaccacg catgcagtc cccagggtcca gagccacgag ggcagggtgg 900	
agggccaggg	ctgggttcag caaggccagc cccgcactctg tcaggggggt cccatgcagg 960	
aagagggact	ggatggagcg gttggtccgc agagcctcag ccagctgctt gatgcggctg 1020	
gggctggaca	cgacgccacg gttaagggtg aggaattcca ccgctctgca aatgatctca 1080	
att		1083

<210> 4905
 <211> 2723
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2518)...(2261)
 <223> similar to gi5410249 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

094937335 "043100

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<400> 4905
ccactatatt tgtaaaagtt atgtgattgt atgactacag ctcttctgtg gtacctacag      60
gttgatacaa atcattaaaa atcaaaacat caacgtatct aagaaccaa tgggtgcatgt      120
gactccccgg agaaggatat atatgccatg ttgccacttg aaggagaatc ttccaggcat      180
caaatcccggt ggattctctt attttctttc acattccctc tgcttttcct cacagtcggc      240
taccacgctc tgaggagccc cgtgccatct ccatttcccc catccctttt tcactttgcc      300
tcacaccagt caaatccaaa tatccgagag tcagacactg ggagactgtc tgcttcttgg      360
gcaactccca ggtggttatg atacgcttcc cggaccgcaa cactgacctc cggaactgaa      420
atgatgaatt catgtcagaa gaaataggat ttggggaaga attcattacc tggaccattt      480
tcagcagctg gaataaaaag tacttaacaa caacaacaaa aatcacacac aaagtccaaa      540
aagtgttttg aaaaagtgtc ttgagaattt actgtacagt ttttttaaac aatttattta      600
tatgttggct tctacatgct cttacattcg tgtaaaacat ttatacatat tctttacaat      660
ttgtacatat attaaatggc tatagcataa acattgttct atgggatttt atagaagaaa      720
aatcaagtgg ggagaattac ttatgaaaca ttaacaaaaa cccgtgatat tgaagaacaa      780
gatgttctca tattcatttg atttcatcta cttatttttg gtgtcatttt attgatgctg      840
gccagactt tccatttccc gtaattatta ggtcagaaaa atgaaagcag cgggagggaa      900
cgcgtaagg cacctgtggg agacgggagc gctcctccgc aggggtgaga cgggtggctgc      960
cagtgttgag ttcgagctga cgggtgtgcca aggtcctgtt ttgctttatg ccgttaagtg     1020
aagcgtgga agtgctggtg ctcagaaaca ccctgtgtga agtttcggat gtagtcagga     1080
agggcgctgg tctgttcttt ctctccaacc tcagagcgcc ggggactctg tacactgctg     1140
aggctgcagc ccttctcagt ccctacactt ttccatctaa tggggagcta acctgtgctt     1200
tttctctttg ctgatgacac caactggcca tgaacccgcc acccaagcca agcagtgtgc     1260
cgtggccaca gcagcgcttc tcatcacggt ggatgaggag ccaaagaata agaaagggcc     1320
agagacgccg ggggtgctggg tgccctcctt cccccaggcc ctcccgaaca caggcctccg     1380
cacagccact caccggttg accaaagcca caaaattctc tacaaagtcc ctcaattctt     1440
ctaattgtatt cttcatggca taaaacatgc cttaaccaag attaggaagg aagtgc aaag     1500
agagaaagca ctggtcctca cataagagca gcacatcaga aatgtcgtg aggacatggg     1560
tggccagggg tatctgctca tctgccccag gcctgtgggg tcccccttg aggacatgg     1620
ggatggcccc acctggcca cacaccacg atgggacta gcagccccca ggggcccccc     1680
accgtccctc ccctcttgaa gtgtaagcac ttgaagctgt gaactgtggc agtgaaaggg     1740
gtaacgactt ccctcaatga caggagcccc agaggactga aaggagtat aaaaatatac     1800
aaacatagat attttttatt ctggcatagt tcatgttttt aagaaagtaa ttagtaatta     1860
attatctgac actgggtaag aactggaaga ttgtgggaga cttataaatt atataagact     1920
tataatttat aagacatata aattatgact ctatgtaaaa tatcagtggg gagaaacccc     1980
tcattttcca ttgaaaattc tggtaacttt taagtacttt caaaaaatag agacaatttc     2040
cactggttta aataatggat gcggaaatga acaaaagacc atccctaaat aactgacgca     2100
tttaggggtg ctaataaaaat aaatgcagtt ttttgcaact ctttcttttt ggttttgttt     2160
cctttttttt ctgaataata ggggaaaaaa agttttgaat tgcattgccc caagtcagga     2220
  
```

gaaagcacgc	ggcattctct	tcaaggcccg	ttctgtccta	catcactgga	aagcggtga	2280
gggcctgcct	cagcttttct	gcaatcgttt	cgtaaaattg	cacttgctgc	tccagggtaca	2340
ggcggatgac	actgttgtaa	tcatagatcc	ggttactgtg	aaagtgattc	atctcagctt	2400
gcaacgcgta	agacatgatg	ctgactctct	tcaccatgtt	ctgtttgtct	tgtagggtga	2460
ttttacttgt	tgcaactagt	ttgtcacttt	ctttcacttt	ttctattgct	ccctgtgaaa	2520
tataaaatgc	agcagtatga	ataaagctga	aatgattagt	cattagttta	aaatataaca	2580
atgctaatat	attctataac	tgatttgctg	ctgaacagga	aatacctcca	caaaataaga	2640
agagaggaaa	gcatctaaat	ttaacttcct	tcaagtcctt	ggaagcaaaa	ggtgaattcc	2700
tccgctaggg	catcgaactc	gag				2723

<210> 4906
 <211> 2693
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (664)...(1218)
 <223> similar to gil710175 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4906						
gcggccgcgcg	gctgcatggg	cagcgcccg	gccccgcgcg	tgagccgtcg	cggagccgcg	60
cagccctcgg	agcacgccc	tgacgcctgc	caggactctt	ccagacacgg	gatttgctcg	120
tgaacaacgc	agagctgatg	cagacataat	atatacagcc	ctgcacctgg	gacacacttc	180
cattggattt	aaaagacagt	cctcgtcagc	actgactttc	agctatggaa	tcgcagacgg	240
ttgatgatga	agcgccggcc	gtgtaaata	agatcgagtg	aggagcagga	cgatgccccaa	300
gggtagggtg	cccttaaagc	cccccaacaa	ggaagagctt	ttccctcagc	agcgaccatg	360
gtggagaacc	agcctgggaa	aaaagataaa	gataaagttt	ctctaaccac	gacccccaaa	420
ctggagcgtg	gcgatggcgg	gaaggaggtg	agggagcgag	ccagcaagcg	gaagctgccc	480
ttcaccgcgg	gcgccaatgg	ggagcagaag	gactcggaca	cagagaagca	gggccctgag	540
cggaagagga	ttaagaagga	gcctgtcacc	cggaaggccg	ggctgctgtt	tggcatgggg	600
ctgtctggaa	tccgagccgg	ctacccccct	tccgagcgcc	agcaggtggc	ccttctcatg	660
cagatgacgg	ccgaggagtc	tgccaacagc	ccagtggaca	caacacccaa	gcacccctcc	720
cagtctacag	tgtgtcagaa	gggaacgccc	aactctgcct	caaaaaccaa	agataaagtg	780
aacaagagaa	acgagcgtgg	agagacccgc	ctgcaccgag	ccgccatccg	cggggacgcc	840
cggcgcatca	aagagctcat	cagcgagggg	gcagacgtca	acgtcaagga	cttcgcaggc	900
tggaaggcgc	tgacgaggc	ctgtaaccgg	ggctactacg	acgtcgcgaa	gcagctgctg	960
gctgcagggtg	cggaggtgaa	caccaagggc	ctagatgacg	acacgccttt	gcacgacgct	1020
gccaacaacg	ggcactacaa	ggtggtgaag	ctgctgctgc	ggtacggagg	gaacccgcag	1080
cagagcaaca	ggaaaggcga	gacgcgctg	aaagtggcca	actccccac	gatggtgaac	1140
ctcctgttag	gcaaaggcac	ttacacttcc	agcgaggaga	gctcgacgga	gagctcagaa	1200
gaggaagacg	caccatcctt	cgcaccttcc	agttcagtcg	acggcaacaa	cacggactcc	1260
gagttcgaaa	aaggcctcaa	agcacaaggc	ccaagaaccc	agagccacag	aaggccacgg	1320
ccccgtcaa	ggacgagtat	gagtttgatg	aggacgacga	gcaggacagg	gttcctccgg	1380
tggaagacaa	gcacctattg	aaaaaggact	acagaaaaga	aacgaaatcc	aatagtttta	1440
tctctatacc	caaaatggag	gttaaaagtt	acactaaaaa	taacacgatt	gcaccaaaga	1500
aagcgtccca	tcgtatcctg	tcagacacgt	cggacgagga	ggacgcgagt	gtcaccgtgg	1560
ggacaggaga	gaagctgaga	ctctcggcac	atacgatatt	gcctggtagt	aagacacgag	1620
agccttctaa	tgccaagcag	cagaaggaaa	aaaataaagt	gaaaaagaag	cgaagaaaag	1680

aaacaaaagg	cagagaggtt	cgcttcggaa	agcgagcgca	caagttctgc	tctcggagt	1740
cggagagcga	gtcctcagag	agtggggagg	atgacagga	ctctctggg	agctctggct	1800
gcctcaagg	gtccccgtg	gtgctgaagg	accctccct	gttcagctcc	ctctctgcct	1860
cctccacctc	gtctcacggg	agctctgccg	cccagaagca	gaacccagc	cacacagacc	1920
agcacaccaa	gacttgcg	acagacaatt	ggaaaacat	ttcttccccg	gcttggtcag	1980
aggtcagttc	tttatcagac	tccacaagga	cgagactgac	aagcgagtct	gactactcct	2040
ctgagggctc	cagtgtggaa	tcgtgaagc	cagtgaggaa	gaggcaggag	cacaggaagc	2100
gagcctccct	gtcggagaag	aagagcccct	tctgtccag	cgcggagggc	gctgtcccca	2160
aactggacaa	ggaggggaaa	gttgtcaaaa	aacataaaac	aaaacacaaa	cacaaaaaca	2220
aggagaaggg	acagtgttcc	atcagccaag	agctgaagtt	gaaaagtttt	acttacgaat	2280
atgaggactc	caagcagaag	tcagataagg	ctatactgtt	agagaatgat	ctttccactg	2340
aaaacaagct	aaaagtgtta	aagcacgatc	gcgaccactt	taaaaaagaa	gagaaaactta	2400
gcaaaatgaa	attagaagaa	aaagaatggc	tctttaaaga	tgaaaaatca	ctgaagagaa	2460
tcaaagacac	aaacaaagac	atcagcaggt	ctttccgaga	agagaaaagc	cgttcgaata	2520
aagcagaaaa	ggagagatcg	ctgaaggaaa	agtcctcgaa	agaagaaaaa	ctgagactgt	2580
acaaagagga	gagaaaagaag	aaatcaaaag	accggccctc	aaaattagag	aagaagaatg	2640
atttaaaaaga	ggacaaaatt	tcaaaaagaga	aggagaagat	ttttaaaagaa	gat	2693

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<210> 4907
<211> 1283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1248)...(982)
<223> similar to gil872200 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4907						
tttcgtcgca	gaggcgcggc	ggctgtacaa	ctcggccggt	gtcaccatgc	cggtcgtccg		60
gaagattttc	cgctcgccgcc	ggggcgactc	ggagtcagag	gaagatgagc	aggactcaga		120
ggaggttcga	ttaaaactgg	aagagaccag	agaagtacag	aacttgagga	agaggcccaa		180
cggggtgagt	gctgtggcct	tgctggtggg	agagaaggta	caagaggaga	ccactctagt		240
ggatgatccc	tttcagatga	agacaggtgg	tatggtggat	atgaagaaac	tgaaggaaag		300
gggcaaagat	aagatcagtg	aggaggagga	cctgcacctg	gggacatcgt	tttctgcaga		360
aaccaaccga	agggatgagg	atgcagacat	gatgaagtac	attgagacag	agctaaagaa		420
gaggaaaagg	atcgtggaac	atgaggaaca	gaaagttaag	ccaaagaatg	cagaggactg		480
tctttatgaa	cttccagaaa	acatccgtgt	tcctcagca	aagaagaccg	aggagatgct		540
ttccaaccag	atgctgagtg	gcattcctga	ggtggacctg	ggcatcgatg	ctaaaataaa		600
aaatatcatt	tccacggagg	atgccaaggc	ccgtctgctg	gcagagcagc	agaacaagaa		660
gaaagacagc	gagacctcct	tcgtgcctac	caacatggct	gtgaattatg	tgcagcacia		720
cagattttat	catgaggagc	tcaacgcgcc	catacggaga	aacaaagaag	agcccaaggc		780
ccggcccttg	agagtaggtg	acacggagaa	gccagagcct	gagcgggtccc	ctcctaaccg		840
caagctgcct	gctaacgaga	aggcaactga	tgactatcat	tatgagaagt	tcaagaaaat		900
gaatagcgcg	tactgagttg	tgcacaggtg	gatgtaaata	tcgccttctc	ctccctatat		960
ccctcccatg	aaaaatggct	tccctggccg	gcgtggtggc	tccctgctgt	aatcccagca		1020
ctttggggag	ccgaggtggg	cggatcacct	gaggtcggga	gtttgagacc	agcctgacca		1080
acatggagaa	accaggtctc	tactgaaaat	acagaaaagt	tagccaggcg	tgggtggcac		1140
tgctgttaat	cccagctgct	caggaggctg	aggcaggaga	attgcttgaa	cccaaggggc		1200

```

ggaggttgtg gtgagccgag attgcacctt tgtactccag cctgggcaac gagcaaaaaa 1260
ctctgtctca aagaaaaaaa aaa 1283

```

```

<210> 4908
<211> 4159
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (4160)...(1309)
<223> similar to gi5725506 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4908
tttttttttt ttccaaaagt gttcttttag tttctaggta acatatagtt gtataaatac 60
tctatttttta tatgcacttc cacaaaaagcg atataattaa aaagtttttt tcattagaaa 120
taaagtgtata aaaataaata tgttattata ggcatattatt actaactata gtccttcttg 180
gaaggaacac ccaaaccaat acttataaag tacatgtaat ttatagtaac atattttact 240
atatacatat ggaaaaaatc atattctcac agaagagctg aacagacatt caccaggata 300
cgactgttgg accagctgct ggagatggac ctgctacccc tcagcagcct cccaccaca 360
agacaagtga tctcaatgtc cccaaacctg tgggaccctg ttctacacac ctcatTTTTg 420
ttccggcggt tcatcctcct tgtgtgattg tactgatttt catgagacac aagttacttc 480
tttacctcca tattcccaaa gcagggttac atggtaggaa agaaaggaag ttggaggtag 540
taagctcatt gtgtctcctc tagcttttac cagcatctaa tgcttcactg ctttttttcc 600
attgtagact ttaatgcact tgaataaata catggagttg ttttttctc aaaatgaatt 660
acacaaataa agactgagat ggtccaaaaa aggaaagagg aagccatttg cgttatttca 720
cgttgctgag cctttctctc atgttgaaac atctgaagtt ttaattctcg gtagaaataa 780
tgtataaaca ttctctgaaa ccatagcagc cataaacagt gctggtcaaa gatcctattt 840
gtactccttt cccccccat tgttagtgag gtaaagtaaa acaggtctta gtaaaatctc 900
acttttctcc tacttttcat ttcccaacc ccatgatact aagtatttga taagtaccag 960
gaaacagggg ttgtaaatagt tctaactttt ttgacaatt gctttgtttt ttctaaactt 1020
gtaatagatg taacaaaaga aataataata ataatgcccg gggctttatt atgctatatc 1080
actgctcaga ggtaataaat cctcactaac tatcctatca aatttgcaac tggcagttta 1140
ctctgatgat tcaactcctt ttctatctac ccccataatc ccaccttact gatacacctc 1200
actggttact ggcaagatac gctggatccc tccagccttc ttgctttccc tgcaccagcc 1260
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ccattgtgca aaagtctatg aaatgtttag gtttctttta aggatcacag ctctcatgag 1380
ataaacccc tccatcatgg gacagacact tcaagcttct tttttgttaa cccttccac 1440
aggctctaga acatgatgac cactcccca gctgccactg ggggcaggga tggctctgcac 1500
aaggctctgg gctggctggc ttacttctc ttgcacactc ggaagcaggc tgtccattaa 1560
tgtctcgga ttctaccagt cttctctgcc aaccaattc acatgactta gaacattcgc 1620
ccactcttc aatgacccat gctgaaaaag tgggtagatg attgaaagat tccttcttct 1680
tctttacgaa gtaggtgtat ttaatttttag gtcgaagggc attgccaca gtaagaacct 1740
ggatgggtcaa gggctctttg agagggttaa agctgcgaat tctttccaat gccgcagagg 1800
agccgctgta cctcaagaca acacctttgt acataatgtc ttgctctaag gtggacaaag 1860
tgtagtcacc attaagaata tatgtgccat cagcagcttt gatggcaaga aagctgccat 1920
tgttcttgga tcccctctgg ttccgctggt tcaacttcgat gttgggtggc ccagttggaa 1980
ttgtgatgat atcatgatat ccaggttttg cactagtaac tgatcctgat atttttttac 2040
aagtagatcc atttcccccg caaacaccac atttatcaaa cttctttttg gagtctatga 2100

```


tgcgatcaca	accagctttt	acacactgtc	cttgacacaca	gacagaggtg	gaatctgggc	2160
tacatggagt	accatctaca	accttgggct	gcaaaacgaa	gaagtagcca	atgcctttgg	2220
cttggcagat	gagcttgac	ctgtcctttg	gtgagacgcc	agcgtacttg	ggaatccatt	2280
ccaccgcagg	cccaactcca	aaggaagctt	ttgaaaactc	gttgtgtgct	tcacattggt	2340
cctctctaaa	ggtttttcca	ttattgtctg	gacagtccct	aaggttacag	gatctgtagc	2400
gcaactcgtt	gccttcacag	tacttccctc	cattcttttg	gactgggttg	tcacattccc	2460
tcacgtgta	ctggactcct	ccaccgcacg	ttctcgaaca	gtctcccca	ggccccaca	2520
ttccccagct	tccatgaaaa	ggcgtatcaa	aatgctttct	gtcggttttg	ttcacacact	2580
tgccgttgat	acaccatttc	ccttctccac	agctggtgcc	atccgcccac	gggaagtgtt	2640
tggtttgaca	caccagcacc	ccaccagagg	tgccgttaca	ccacaaggtg	ctacatgtgc	2700
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catcgtacga	ggtgccagg	agatcgctg	ggagctgtat	gggattctga	ggcttgcca	2820
tcaaacattc	cccatgacca	ttatccagaa	atgatgtaat	catgtaggca	ctgcaaggag	2880
accaaggctg	gctgtggtcc	aggttggaaa	gcattgacgc	catcatgtgg	gaatcctggt	2940
tcacaccatt	aagggtggca	cactgctttg	catcatcatg	tggcatgtta	aacacgtggc	3000
ctaattcatg	ggctgtggtg	aaggcagctt	gtaaaccatc	atcttctatg	acggagcagc	3060
ttctgctcgg	atcacacaca	gttccaacat	cagccatccc	aagagtatca	catgtctggg	3120
acccacacaa	gtcctgtctg	gtgaaaagaa	ttgtgtgtgc	atagtgtctc	gcatcccggt	3180
cactgggtgg	gttgtgctgc	ttctgccagt	tgcaaaagtt	ccgcagagtg	agggcagcat	3240
tggaggtcac	ttccggcccc	ttctgttcat	cgtggatgac	caagatcttc	accaccacca	3300
ggctaactga	attacgaatg	ctgggggtgt	tgtacaatct	ggctgccacc	gaaaacaacg	3360
tgagaaggta	atgctttaga	ccactgccgt	ggaattctgc	catcgactgg	tctgccacaa	3420
gcatggtttc	cacatagcgg	tgactggaca	caaatcgctt	ctttcttatg	cttccagttc	3480
ctgtgggctg	tcctacgcct	tgcagtgccg	ggtcctgcgg	cgaccactga	ggcccttcgt	3540
cctcgccctc	agtccttctg	tctcgtctt	cggctctccg	tttcccagtc	ggccggggct	3600
cgctgtccac	gaccccgcac	gtgccgccta	cgctcgccctg	ccgattccgc	cgcaggaggt	3660
ggaactgtag	tggtgccggc	ggcttctccc	ctggggcggc	ggtggcgagg	cgctcgctgg	3720
cggcgggcag	cggctggatg	aaatacgctt	ccccagcag	gtagaaggcg	ccgcgcacgc	3780
cctcgagag	gctgagggcg	gcagccgagc	tgggatcgcc	attcacggtg	ccggagtaga	3840
agcagtgcgc	caggtcggtt	tccggaagcg	gcgtctcgga	cccggatttg	cgccccacgt	3900
tctggagcgt	gaagccggcg	gccaaaaagc	tgctgtcggg	ccgcagctcc	agatccagct	3960
gctggtcaaa	ggcgtgcagg	cggaggcgcg	tggctcccg	tcccggggcg	cgctccagct	4020
ccggcaccac	tagctcctcg	tcctcctcgg	agggggcgccc	gagtgcgtcc	gacacggcca	4080
gtagcgccgc	ggcgagcagc	agcagcgtgg	gtacggggccc	aaagctccga	gaccccgag	4140
cccgtccgc	gttcccat					4159

<210> 4909

<211> 1816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1817)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (8)...(1038)

<223> similar to gi5565866 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4909
tcgtggaatt aacattgctg ccatcactga atcagacaag ttcttcatca acggctccaa    60
ctgggaatgc atcctggggc tggcctatgc tgagattgcc aggcctgacg actccctgga    120
gcctttcttt gactctctgg taaagcagac ccacgttccc aacctcttct ccctgcagct    180
ttgtggtgct ggcttcccc tcaaccagtc tgaagtgtcg gcctctgtcg gagggagcat    240
gatcattgga ggtatcgacc actcgctgta cacaggcagt ctctggtata ccccatccg    300
gcgggagtgg tattatgagg tcatcattgt gcgggtggag atcaatggac aggatctgaa    360
aatggactgc aaggagtaca actatgacaa gagcattgtg gacagtggca ccaccaacct    420
tcgtttgccc aagaaagtgt ttgaagctgc agtcaaatcc atcaaggcag cctcctccac    480
ggagaagttc cctgatggtt tctggctagg agagcagctg gtgtgctggc aagcaggcac    540
cacccttggg aacattttcc cagtcatctc actctacctt atgggtgagg ttaccaacca    600
gtccttccgc atcaccatcc ttccgcagca atacctgcgg ccagtggaag atgtggccac    660
gtcccaagac gactgttaca agtttgccat ctccagtcga tccacgggca ctgttatggg    720
agctgttatc atggagggct tctacgttgt ctttgatcgg gcccgaaaac gaattggctt    780
tgctgtcagc gcttgccatg tgcacgatga gttcaggacg gcagcggcgg aaggcccttt    840
tgtcaccttg gacatggaag actgtggcta caacattcca cagacagatg agtcaaccct    900
catgaccata gcctatgtca tggctgccat ctgcgccctc ttcatgctgc cactctgcct    960
catggtgtgt cagtggcgct gcctccgctg cctgcgccag cagcatgatg actttgctga   1020
tgacatctcc ctgctgaagt gaggaggccc atgggcagaa gatagagatt cccctggacc   1080
acacctccgt ggttcacttt ggtcacaagt aggagacaca gatggcacct gtggccagag   1140
cacctcagga cctcccccac ccaccaaagt cctctgcctt gatggagaag gaaaaggctg   1200
gcaagggtggg ttccagggac tgtacctgta ggaaacagaa aagagaagaa agaagcactc   1260
tgctggcggg aatactcttg gtcacctcaa atttaagtct ggaaattctg ctgcttgaaa   1320
cttcagccct gaacctttgt ccaccattcc tttaaattct ccaacccaaa gtattcttct   1380
tttcttagtt tcagaagtac tggcatcaca cgcaggttac cttggcgtgt gtccctgtgg   1440
taccctggca gagaagagac caagcttggt tccctgctgg ccaaagtcag taggagagga   1500
tgcacagttt gctattttgc ttttaggagg acaggggact gttattaaac aaggccttaa   1560
cattgggtgg caaagatttg ccttnttttg attttaaaaa aaaaaactag attgactatt   1620
tatacaaatg ggggcggctg gaaagaggag aaggagaggg agtacaaaga cagggaatag   1680
tgggatcaaa gctagggaaa ggcagaaaca caaccactca ccagtcctta gtttttggac   1740
cttcttctcc caaggttagc cttcccttct tcaggaagnt ggggtgtttg ttttccattg   1800
tttttttttt tctatt

```

```

<210> 4910
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (561)...(394)
<223> similar to gill184157 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4910
tttttttttg gaagttatga aagaggcttt taatgaaaat actgtacagt ttatgtgagg    60
caaaggcagg gggccttgtc caggaaggga agaggcccaa gaggcttctt gtccccttgg    120
gggcagcaga gccaaatgct tgggctcggg cccaagctgc ctgccctgca ggggtccagg    180

```

00433733 012100

gaggtcctga	tgagtcctgc	cccttccctt	ccagagggcc	tgcttggcag	ccagcagcag	240
ggtgtttggg	gagcacctgt	tcccacacaa	gggtcctttt	agtccattcc	aacaggtgac	300
tccgagcagc	cctgaaggct	tggggagggc	tcttgcttgg	caagtgggcc	tggcacgagt	360
agagggcaga	ggcccgcctt	gggtgaggaa	catcatagcc	aggcgccgcc	gccgtgcgag	420
tagctgtgct	cctggccggc	gacgaagccc	cgagcagct	cggcctcacc	cccaaacacc	480
aggctctcca	catccacctc	cagctcctct	tggtctgagt	ctgagcgctc	agaggagagg	540
cctgaggagt	ccagactgtc					560

<210> 4911

<211> 1468

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1188)...(779)

<223> similar to gi458726 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4911						
tttttttttt	tttgactca	tagttacagt	ttattacagt	gaaaggatac	agattaaaat	60
cagcaatgaa	gaaaggcaca	taaggtaagg	tccaagagaa	cttccaatta	tcctctcctg	120
gcagagtctt	caggataatg	cttaattctc	ccagcaatga	tgtgtggcta	caatgatgtg	180
tgcacagagt	attaccaacc	agagtagctc	acccatgcct	agggtgccag	ggcttttact	240
agggattgat	cacattggca	tgcttcactg	ccccaaggcc	taacttagtc	tcctcagctt	300
gaccttgcaa	ggtcaagctg	atactgcatg	gccaaggcc	cacaggtaaa	caaaaacact	360
cttatcaggc	aagatattct	aatggcttag	aggttatctc	ccaggagcca	ggcaggggcc	420
tattctttat	ttggaatgtc	cagggttcaa	acatcccaag	ttcatcctgt	atcacacaaa	480
aggattaact	tcaaaagtgg	tattcttggc	cagggtgtgt	ggctcacacc	tgtaatccca	540
gcaccttggg	aggctgaggt	gggaggactg	cttgagacca	ggaattcgac	accagcctgg	600
gcaacctagt	gagatcccat	ctctatcgta	atttttctaa	aaagtggat	tcttaagtca	660
agttactacc	ctgattgatg	acaggggagag	agaccaggaa	acccctgtgt	tgtaatccct	720
taggaaacct	tacaccttta	cttgctttat	tatcaggtaa	tttccaggat	gtaagccata	780
cagccagaag	gcagggtaca	aaggagagga	ggcagagatg	gtacactcat	acagaagctt	840
ctcctgattg	tccactgaat	agaaggcaag	ctttccctcc	tcaaggttca	gccagatgcc	900
caccacccca	ggtctgtctg	agccaaggac	agtttccttg	accatgtgcc	atgcagagag	960
ctggctagtc	cccttccatt	ccacacaaca	agagtccata	gtccttccca	ggacctggtc	1020
gcggctcatc	tcccaggaag	ccaccccaac	tgcccagtg	ctgcaattcc	tagtgtccac	1080
ttcccagtaa	tgccttccag	aagacagggc	ctgggaacat	aagacctggc	tggtagaaaa	1140
cctctcacag	ctccagcgat	agggttgtgg	gcggtgagac	acagtcaactg	tacgggaatc	1200
cttggacacc	tccaggctgc	aggaaaggct	cttcaagtta	aaggttggat	ggatggcccc	1260
tcagcaggtt	taggaagagg	cagttggcta	tagttgggtg	ccacagcaca	gatgcagaaa	1320
tacctcagca	gggttgggaa	caggcagttg	gctgtagttg	gtggccacag	cagagatgct	1380
caaaggttgg	cgggactctg	agtgtctctg	ggtctagagt	ctcaacctgc	tttgcctttg	1440
ctcgtgccga	attctgcagg	cgggcaat				1468

<210> 4912
 <211> 2144
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1807)...(1484)
 <223> similar to gi3947854 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

007270" 3228460

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<400> 4912
tttttttttt ttaaattaac cagatctgtc ttttaatagt taccagaatt tagatgttaa      60
ttccccagag gaaaaatgtc catggcacag tttttctgga aaagttcaca tgtagacagt      120
gaagcttctg aagttaggcg tcaaattagt agtgacaatc ttttttttaa tcttgaaagt      180
ccctagtttt aaagaaagta gaatccatct ggggcatgtc tgcatcacag ggtatcactc      240
aagagtcatc atcaggccaa aaagactctg aagggaacca ggagggtttg gcccttgctg      300
tggaagatg ctactgaaag tataagagaa caccctaag cacgcgtcag gcacgaaacc      360
gtaccatgcc ccgctaagac atgggaccag agaacacgtc aacgtcaggc cgctccagga      420
aaaccatcca caaagacaac agaagctaac ccgaggtcga cactgccatg aagagtgttg      480
gctgaaaccg cagttaccag tgtctttact ggacgcgaac atccctaagg acacggctgt      540
gctgcttcct aagcatacgt gaccacgata ctgtctttcc ccgggtctcc ttagcgccat      600
cactgcacca ggcccagcat gcctcaagtc ctccagagcc ttctcctgag acagcactag      660
gggccacgtc agaccccagg ctgcagccct tcaccgtgcc cgtccccggt ccggtctgcc      720
ctgctggggc cggtgggtat catggggacc cctgtgtaga cacggacacc ggagagcgtg      780
ggacaggagg cgtctcagag ctccccaccc acacactcaa ggttcagcgt cactcatgtt      840
tccttctgtt cccatgggtg ctccaaaagg gtttccaaac aaagtcatca ttgattaccc      900
tggagtatgt caataagcca aacaccagca gccagatacc accaagctag tcaccacttt      960
aaaagaagat gagctggaga acgaagcagc cctctgatgg acccagtcag tgcagtcggg     1020
actcaggagg acacccgggg acccctgccc agctccctgc cggaggaaag actagggaag     1080
ggaagcagag gaggaacgaa gggcgccggc agagagagta acaagtagaa acttcgccga     1140
tctgggagca ggccgagaaa ctctgttgag ctgctaaaga attcttcatt ctcatgtgat     1200
tttcttcatt tctgtcttcc cagttactac caaggagcta aggaaagttc aggaatactt     1260
tgttttagtgt cgccataaca tctccaacca tgcattaagt ttaacaaaaa gctgcaatat     1320
tccagattct taaattctca atggcaacca atttatgtc aaagttgaaa tctggcaagc     1380
accgtacgcc ttcagcacac gcgtgggtcc ggattttccc atcacacaca cgctctcccc     1440
cgtccaaggt gcctgtttac ttctgggtctg cgcgggctca ggtttcaaag agcttgctga     1500
aggcggtccc cacctcggcg atcatgtcgg aggtggtggt ggagcgaccg tgcttctgga     1560
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ggctggaccc atttgttttc tgtggtccag caaggagcgc ccagtgtacc aggacgcca     1680
gggagcccga caggaggtcc ccttgccctc cacacctgcg gctgctgcct tcctggctgc     1740
acacaagcac ctgctggccg ttggagagga tgtcgcgtc tcctttctgg accaccgtca     1800
cgttgcccag ggcttggtg agtcttagca cagatccatg gctgtcatcg ctgtccatag     1860
ggcctctgag ctatgacaac acaggaagac agagaaaaag caaagtcttc ctcacacaca     1920
cgacgacaga tagccctgtc ccataccgca tgagactcat gctctcgtgt ctaaagggat     1980
caccaggcca cctgttaaag gccatgtagg tgggaggatg cccaggatat cacctgcagt     2040
gagtcctccg agcagggtgct gacacggtgc ctgctccagt gccatcctc tacctcatca     2100
gagcaggctg aaggagggaa ttccaccacg ctggactaaa agaa                        2144
  
```

<210> 4913

<211> 2834
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(2504)
 <223> similar to gil632819 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4913

ggcacgagag	cagcaacggg	cagatgtttc	acgcccactg	gttctgcgct	gggacagaca	60
cagtcctcgg	ggccacgtcg	gacctcttgg	agctgttctt	ggtggatgaa	tgtgaggaca	120
tgcagctttc	atatatccac	agcaaagtga	aagtcattcta	caaagcccc	tccgaaaact	180
gggccatgga	gggaggcatg	gatcccagat	ccctgctgga	gggggacgac	gggaagacct	240
acttctacca	gctgtggtat	gatcaagact	acgcgagatt	cgagtccctt	ccaaaaacct	300
agccaacaga	ggacaacaag	ttcaaattct	gtgtgagctg	tgcccgtctg	gctgagatga	360
ggcaaaaaga	aatccccagg	gtcctggagc	agctcgagga	cctggatagc	cggttcctct	420
actactcagc	caccaagaac	ggcatcctgt	accgagttgg	tgatgggtgtg	tacctgcccc	480
ctgaggcctt	cacgttcaac	atcaagctgt	ccagtcccgt	gaaacgcccc	cggaaggagc	540
ccgtggatga	ggacctgtac	ccagagcact	accggaaata	ctccgactac	atcaaaggca	600
gcaacctgga	tgccccctgag	ccctaccgaa	ttggccggat	caaagagatc	ttctgtccca	660
agaagagcaa	cggcaggccc	aatgagactg	acatcaaaat	ccgggtcaac	aagttctaca	720
ggcctgagaa	caccacaag	tccactccag	cgagctacca	cgcagacatc	aacctgctct	780
actggagcga	cgaggaggcc	gtggtggact	tcaaggctgt	gcaggggccgc	tgcaacctgg	840
agtatgggga	ggacctgccc	gagtgcgtcc	aggtgtactc	catgggcggc	cccaaccgct	900
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cccgtagccc	tggaaaacaa	gggaagggca	agggaaaagg	gaagggcaag	cccaagtccc	1020
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cactggagat	ctcctacaac	ggggagcctc	agtccctggt	ccagaggcag	ctccggggcg	1860
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ccgggaaccg	gcacaaccac	tgggctggcc	tctatggaag	gctcgagtgg	gacggcttct	2220
tcagcacaac	cgtcaccaac	cccgagccca	tgggcaagca	gggcccgcgtg	ctccaccacg	2280
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09453735.03100

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aaccaaaaaa	aaaa					2834

<210> 4914
 <211> 1602
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(595)
 <223> similar to gi3874039 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4914	
ctgcagaagt	60
gaagtttggt	120
ttcatcagca	180
ctctttgacc	240
ggcgatgggg	300
tccccactac	360
atccggctgt	420
cataacacga	480
aaggccccc	540
tactggcatt	600
ccaggatagg	660
tgggtcctgg	720
gcccagtggc	780
cccaggaagg	840
gaaggacatt	900
ttgggaaacg	960
gattcaaacc	1020
ctgtgcccat	1080
tgccgagccc	1140
ccttttgccc	1200
gctgggcatt	1260
cctgctgagc	1320
cagagaagtg	1380
cccaagtga	1440
ctagtaccca	1500
gagccaggct	1560
tgtttttagcc	1602

00720"59460

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<210> 4915
<211> 2671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (308)...(1500)
<223> similar to gi2047349 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

040331 04300

```

<400> 4915
cgcacggaaa gtttggaggc ttagcaagga ggggtggtgcc ggcctccgcc cgggtggtggc      60
agaactgcct gtgcgagcac ggcttccacg tgggctgcgc cgccgggcgct catgtcgggc      120
ctaagagaca cgctctacag ctgtgaaatc tgaagttagc gtttgcattt ccttactgct      180
ttgtcttgaa gacagaacga tgccaaaagaa agcaaaagcct acaggggagtg ggaaggaaga      240
ggggccggct ccctgtaagc agatgaagtt agaagcagct ggggggcctt cagcttttaa      300
ctttgacagt cccagtagtc tctttgaaaag tttaatctcg cccatcaaga cagagacttt      360
tttcaaggaa ttctgggagc agaagcccct tctcattcag agagatgacc ctgcactggc      420
cacatactat ggggtccctgt tcaagctaac agatctgaag agtctgtgca gccgggggat      480
gtactatgga agagatgtga atgtctgccg gtgtgtcaat gggaagaaga aggtttttaa      540
taaagatggc aaagcacact ttcttcagct gagaaaagat tttgatcaga aaagggcaac      600
gattcagttt caccaacctc agagatttaa ggatgagctt tggaggatcc aggagaagct      660
ggaatgttac tttggctcct tggttggtc gaatgtgtac ataactcccg caggatctca      720
gggcctgccg cccattatg atgatgtcga ggttttcatc ctgcagctgg agggagagaa      780
acactggcgc ctctaccacc cactgtgcc cctggcacga gagtacagcg tggaggccga      840
ggaaaggatc ggcaggccgg tgcatgagtt tatgctgaag ccgggtgatt tgttgacttt      900
tcccagagga accattcatc aagcggacac tcctgcgggg ctggcccact cgactcacgt      960
gaccatcagc acctaccaga acaattcatg gggagatttc cttttggata ccatctcggg     1020
gcttgtattt gatactgcaa aggaagacgt ggagttacgg accggcatac cccggcagct     1080
gctcctgcag gtggaatcca caactgttgc tacaagacga ttaagtggct tcctgaggac     1140
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cacagtactg ccgatcaag atcaatctga tgaaactcaa gaaaagatgg tgtacatcta     1380
tcattcctta aagaatagta gagagacaca catgatggga aatgaggagg aaacagagtt     1440
tcatggactt cgcttccctt tgtcacattt ggatgcactg aagcaaattt ggaatagtcc     1500
agctatttct gtcaaggacc tgaaacttac tacagatgag gaaaaggaaa gcctggtatt     1560
atccctctgg acagaatgtt taattcaagt agtctagtgc ctttgcagaa tcaaatgcct     1620
actattttat atgcatatat taaaagaaaa gcaaagacct gagccgagga gaggatgaat     1680
tcaagtttcc ttacctgcgt atctactaac aaacatgaga cctccctgtt acagggtggtc     1740
agttggccaa atgtactaac gggcacatga aagaaagaac agcaaattac caagtgtctc     1800
agaaaatgac aaaaccatat ttgacaagt ttattttaatc cagtgtggtg gaaaaggcac     1860
aattccaatg tatcatttaa aattgaatgt cattaacctg gctttgttct ttggaagaaa     1920
caacttcttt aaagagcttc tttggctcta gaaaaatttc aaacaattaa aataagaaaa     1980
aatttttaaac tgggttttta taatgaaaat atacataact ttgtgtatag acaagcccat     2040
gccattaaa ataaagtatt cctgtaacat aaattttatt aaataatact tccccacaga     2100
tgagaggcac gcaacacctt tggacaaaag ggagttacag aggctgctta aaagatggag     2160
aaaagcctga gattgaagga ggaaaaaac ccagtattta aagtctataa aaaatactca     2220
aaatagtggg gtcctccgag tttaaaatag tccattggtt atttttacat tctaaagtgc     2280
catgtagggt gatatttttt aaaatatcat tggagaattt aatcctttcc tttataaaaa     2340
tagagcattt ttctgcctt tcctggcaaa agttggggat aaaaggaaaa aaagttgtca     2400
aaatgtaatt ttcagtccca attcaccag gaaaacatgc ttgtgaattg tgcagtaaaa     2460
gggtggtaat actactggaa gctaagtcaa aggggtgattt cccacctgaa ttttacttac     2520

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ttaaataaaa	gttacttaca	atggggagtga	aaaactgagg	tttctgttat	ttagtagaga	2580
aatcaactcc	acgtttactt	aaagagatgg	taaggtcaag	gttcaaatgc	tactgtgttt	2640
taatttggat	atttgaaatt	tctcttgagg	c			2671

<210> 4916

<211> 1841

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (129)...(698)

<223> similar to gi4240317 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4916

ggagtacacc	tgcggtactc	cttccggaat	tcacgggtcg	acgatttcgt	gcgaagaaat	60
cattgtttta	tgccccgcac	attttatatt	tgtgacgact	agacaatttc	tctggtttct	120
tggttgaggt	gaccaaggaa	gaaaggcaca	ttgttaaacc	tctctatgat	agatacaggc	180
ttgtaaaaca	aatgctgaca	agagctagca	tcactcctgt	ccttggaatc	ccatccacca	240
agcgaagggg	tcagatgtta	cagccaatca	tagaaggaga	aactgcacat	ttttttgaag	300
aaatcaagga	ggaagaagaa	gatggtgtta	atctgtcctc	tgagttaggt	gatatgttga	360
aaactgcagt	acaggtacag	tcttcattaa	aaaactctga	atctgatgtt	gaagaaaatc	420
aagaaaaact	ggctctggat	ctccgattgt	caagttctcg	agcagcttct	atgcctgaat	480
tattggaaca	actttggaaa	gccagagctg	aaaaaaagaa	actacgcaaa	acgttgcggg	540
aatttgaaga	agcattttat	caacaaaatg	gaaggaatgc	ccagaaagag	gacgtgttct	600
cagtgccttga	ggagtacaga	gagtacaaga	aaattaaagc	caagcttagg	cttcttgaag	660
ttcttataag	caaacaagat	tcttcaaaat	ccatataaga	tacgttcctt	gaaaattcat	720
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aaacaaatga	tgggagagta	agtaggccct	ctcaaggagg	cgtaagtgat	gttccatatt	900
aaccacagac	tgtcctctcc	accttttagca	aacatatggt	ttacttcatt	gttttgtact	960
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atgaagataa	cagttggtag	accaaaagg	gacctcgctt	agtataattga	aaacacacac	1380
cacacatcac	acacagaact	gaatcatacc	acgtgctgcc	tatgggactt	cagttactgt	1440
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gatggtgctc	agatttgtgt	gttcaatcaa	tgggcttaaa	tcagcaaaat	attatgccta	1620
aagtaaatct	gttcttaaca	agggctctac	cactgcattt	tcacatgtac	cttcaggggg	1680
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acaacgcctt	tttaagggaac	caccttgggt	gcaatatata	catgctgtta	aaagcacttg	1800
tttacaggat	gggtaagggg	ttgcccctgg	ttttataact	t		1841

0948373E 043400

<210> 4917
 <211> 1307
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1159)...(440)
 <223> similar to gi5106787 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4917
 tttttttttt ttaaaaagcc atttatttta aaaaactggt ttgtcaaadc acatacatga 60
 gcagatacac aactaccaa gtggcctgta atagacacca gtggggcggt caccacacag 120
 tacctgaaaa atacagctaa aaaaggagga gtctgttgag tatttaattt cagatctact 180
 tgactccttg ttgaatggct ttaagtttag atatagttag tgagaggtag agtcccaagt 240
 ataatagctg atgcctcagg gctccattta aaaacaaaac aaaaacaaaa ccattttctcc 300
 ctctgcacaa ggggaagccta tcctattttt tttttccttt gcgaaaacag aagccaagtt 360
 tctcttctca aatgggttcag cattcccaat caaaaagtgg tgtgtggtta cctaggtatt 420
 gtgcttggtg agccatttaa ttttcctcac cttccgattc ggattccttct tctgcatttt 480
 gtaaccactc aacaaatttc ttcattctgt caagaaaaac acttttgcct ttagcaacat 540
 gtgcttcctt ataccatttc agtattgctt cttcgctcag aacatcagct ttataaaaaga 600
 gaaccacaat cttctgaaag gctttcatga aatggatgtt gtcgtagcag ttttctgaa 660
 ccttctggag gaggatcagc tctgactggc cttgggagct gaacacggcc agcaggggag 720
 catattgctt caggtgcttc agagcctgct ctgcaacaag ttcttccttc ttgttccact 780
 caacagcggt cattatacat gtccacagaa gaccaatcac tgctgtttct ggaagatcat 840
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 ggaagtgcga aagctcctta agacctgcgt cagtgaagta tttagcaaaa tgatccacac 1020
 tctgtctgtt aactggaaag agttcaagca gcctcttgct taagttggct tttctcaaag 1080
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 atgaggccgc aatgcctgtt gaaaaacaaa agagaatttc attcctttta cgagcaaaac 1200
 caattgtgat ggtgtgcaaa gcaaccaggt ttcttgaaat gtgtaaataa ctaaaagact 1260
 aattttggta caaatgaaaa gtcaatagac ctctaggcaa attctcc 1307

<210> 4918
 <211> 2550
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(848)
 <223> similar to gi2529707 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 4918
agtctacatc ggctccttct ggtccacccc cctcctcatc cctgacaacc ggaagctctt 60
tgaggctgag gaacaggacc tattcaggga catccagagt ctgccccgaa atgctgccct 120
gcgcaagctc aacgacctca tcaaaagggc caggctggcc aaggtccacg cctacatcat 180
cagctctctg aagaaggaga tgccctcggg gttcggggaag gacaacaaga agaaggagct 240
ggtcaacaac ctggccgaga tctatggccg gatcgagcgg gagcaccaga tctcacctgg 300
ggacttcccc aatctgaaga ggatgcagga ccagctgcag gcccaggact ttagcaagtt 360
ccagccgctg aagagcaagc tgctggagggt agtggacgac atgctggccc atgacattgc 420
ccagctcatg gtgctagtgc gccaggagga gtcacagcgg cccatccaga tgggtgaaggg 480
cggagcgttc gagggcaccc tgcacggccc ctttgggcat ggctatgggg agggggctgg 540
agaaggatc gatgatgctg agtgggtggt ggccaggagc aagcccatgt acgacgagat 600
cttctacacc ctgtcacccg tggatggcaa gatcacaggc gctaattgcca agaaggagat 660
ggtgcgctcc aagctgcccc acagtgtgct gggcaagatc tggaagctgg ccgacattga 720
caaggatggc atgctggacg acgacgagtt tgcactggcc aaccacctca tcaaagtcaa 780
gctggagggg cacgagctgc ccaacgagct gcctgcccc ctcctgcccc cgtccaagag 840
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ccaggcccca gagtctaagc ctaagtctct atcgctcttc cctctcctc ggccactccc 1140
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ccccagtgtc tccacacccg ggctctgagc aaatggaaaa gacttttcat ttagtagaca 1260
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aagagctagg agatctgagg gcaggcgggc agctgcaggg aggagagggtg agaaagggaag 1380
cgtcttctag agacattggc ccaggagctc tgttctttcc taatctaagc ctctgtcttc 1440
ttcggcaaac cttgctttga actctgccag tatttcattt taaagaatcc cagagcggga 1500
gagagaagag aaaaaaattg ataagagtga ggaaattgtc ctgtagtcta ttgaaaacca 1560
gtcaagggtg ttttagttca tagattttgt tagatgttct ttccacctgg cctatgatgt 1620
ttagatgttc atacttgact cacatttacc cagccccctc tgcgtagcag gagctgtgtt 1680
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agccttcccc ttttgcagtt gaggaggctg agtagcctca gaagggttta ggcgaccttc 1800
tgaaactcac agaagtcacg tgatggagag aggattcaaa gccagggcct cagacctca 1860
cacacttgtc tgtgctatga tgtatgcagg atcccagcat tgatacccaa tgacaaacta 1920
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ggactctgca gtgtccttgg caaatcccca ctgtactcaa tgccctacat tctcttctgt 2340
ggtctctccc ctggcttget tcatggccac tgaaccaatc actttgtatg ctatgtcct 2400
actgtgatgg aaaacaaaaat gagtataact tattttatat ccatattcag actatataga 2460
gaatattcta tgcattctat acgtgcttac tactgcagtg catttgtcat tagtcttcat 2520
gttaatacag tacatttatt aaattggtaa 2550

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<210> 4919
<211> 789
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

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<222> (792)...(393)
 <223> similar to gil244515 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4919

tttagcagtc	tggatactgt	atcttctaata	catttactct	gacattcttt	tgaggaatac	60
atggagaact	gacaattggt	tatgttagtt	tacatgttcc	cttgttctta	ttacattaata	120
cgtatctgta	agaaggggtt	gcttagcatc	cccagaaaaa	aaaaaaaagt	gttcacattc	180
tttaggtctg	acccgtggta	aggagaggga	ggattagaga	acatctacta	ctgaccatat	240
ggaagttttg	gatgatataa	attcagagat	tcagaccagc	tgaatcaaat	taaaatgtac	300
atgtaaaaaa	tgtgttagat	aatgggaggc	aggacagaga	gagagccagg	tgagtgggga	360
gtcacgctga	ggcaggacac	agaggcaatc	agactagcat	gtggcgtttc	ctatggaggg	420
caagatggtc	agaacgggag	aagctgcggt	cacagtccgg	gcactggaaa	ggtttgattc	480
cagtatgttt	tcggaaatgt	cttgttagtt	catcagaccg	agcaaacttc	catgtgcacc	540
cttcccatgt	acattttagt	ggtttttctc	ctgtgtgtgt	tcttctgtgt	gctttcaagt	600
gggagctttt	agtgtacact	ttgttgcac	catcataatc	acatctgtgt	atcctccgct	660
tcctttgagt	atccggggat	tccacaggta	aaggtctctt	cccaggctgc	acgatgaccg	720
aagggtgatt	ctcttgcaac	aatgcttgcg	ggggggacac	tgagttcatt	aaggggggtg	780
acatttctc						789

<210> 4920

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (15)...(552)

<223> similar to gi4760400 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4920

tggaactgaa	cagtctatct	aacaacaaat	tgactgacgg	ctgtgcacac	tccatggcta	60
agctccttgc	atgcaggcag	aacttcttgg	cattgaggct	ggggaataac	tacatcactg	120
ccgcgggagc	ccaagtgtct	gccgaggggc	tccgaggcaa	cacctccttg	cagttccttg	180
gattctgggg	caacagagtg	ggtgacgagg	gggcccaggc	cctggctgaa	gccttgggtg	240
atcaccagag	cttgaggtgg	ctcagcctgg	tggggaacaa	cattggcagt	gtgggtgccc	300
aagccttggc	actgatgctg	gcaaagaacg	tcatgctaga	agaactctgc	ctggaggaga	360
accatctcca	ggatgaaggt	gtatgttctc	tgcagaagg	actgaagaaa	aattcaagtt	420
tgaaaatcct	gaagtgtgtc	aataactgca	tcacctacct	aggggcagaa	gccctcctgc	480
aggcccttga	aaggaatgac	accatcctgg	aagtctggct	ccgagggaac	actttctctc	540
tagaggaggt	tgacaagctc	ggctgcaggg	acaccagact	cttgctttga	agtctccggg	600
aggatgttcg	tctcagtttg	tttgtgagca	ggctgtgagt	ttgggccc		648

<210> 4921
 <211> 1071
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1072)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1012)...(544)
 <223> similar to gi6013381 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4921

tttttttttt	ttgcaaatta	gaattctttt	aatataaaaa	aaagtactaa	aatacccacg	60
tggttctgct	gtgttatattg	ccctaaagga	agtgaggggc	agagtgaaga	atcccagtg	120
agctcagtg	gcccagaaat	gggcctttcc	gtaggataag	gcgtgcccac	tccacctcca	180
ccagacttct	atccccctctg	ctgttcccag	cccccaattc	ctgcagcagg	aaaccccagt	240
ggtctggctt	tggcactggg	agtagaaggc	acctgaagg	ctggctgggt	gagtgaggac	300
aggtgacctt	taaaaacaaa	acgacaccgt	ggggtgggga	agcaggtcat	gcagctgtgg	360
cagctggcag	ggcccactcc	tccatggcac	aggtgggcat	gggatggcca	cttctccaga	420
agtgaagaag	cccagatccc	aacagaatac	tttctcaaaa	ttgttttttg	tacaaaataa	480
atggaaagaa	gatatggggt	ggggtgctgt	ggaggccggg	ccagccaccc	tccccagacc	540
ttagatcata	gcgatgctct	cgggggcaca	gttgaggtgg	gtggaggtgc	tgctgctccc	600
ggaggacttg	caggcccggc	caggggtagg	ctgcagtgc	gccaccagt	tgtctgagga	660
gactgcccc	aactcgtagc	tgaagggtgcc	atagaaaatg	aggatatcga	tgacacacac	720
ccactcacac	agggctgccc	catgttgtag	ctgagaactc	tcatggacaa	agaagactcc	780
actgaggacc	agggtgataa	aggcgatgac	agccagcaca	cttcgcagat	aggccacagc	840
caggtccagc	ggggcggttg	ccccttggt	ggagagagca	cagtgcaggc	aaacaaagag	900
cagccccgca	gggaaggcca	cgccagctcc	aacgtagtgc	agagacctgg	catgatccac	960
ctgaaagttg	ccaaccacca	agaggccgc	agcgttggtg	cagcctgtga	tagtccnnnn	1020
nnttngcggc	cgtactgcaa	aatgggtttt	catttggggg	gaaccgctac	g	1071

<210> 4922
 <211> 1738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1718)...(1342)
 <223> similar to gi4582465 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4922
tttttttttt ttgggggagaa aattaaacct tattttatatt taaaatcaaa ccactaggaa      60
aatatatcac agcctggaaa cagcaaacgg acaggctata ttataatttc aagtaataag    120
ttggtgaaaa ttcaacgaag ttgctatcaa aacaataagg tgccatgctg gggcaggaac    180
actgccagct gcacaagccc caggcaaaaaa tgggtatttgg taatgggggc tgtctctcct    240
ttgctctaag ggagtcagct catcctagcc caagttgctt actttttctc ccttgaattt    300
cctgttgcca ggggtttgtc tcaattgggc tctgttaatt caggggggcta agtaggcaat    360
gctaggtgta ggctttcatt ccatatgttc taataaaacc aggttttccc aaatccagta    420
cttcatttac tctgttgtaa tcaagtagcc aactgctcct cttttactgt tcattcctag    480
atactagtat atatcacaat caaaaccccc ttctcttcaa ggggaaaagt ttactgcaag    540
attgtcctgt cattttgtaa cacacagcct cagggggccat cagccagtaa ttctgcttcc    600
cataattagt gtgtcatcac ctctcatgtt tctgcacagt ctccaggctg aaagatgcag    660
catgtaataa ttttaagaaa tgtacatcca catcttgatg accagaaatg gggatccaca    720
aggaacattt caaagttctt atccaaacta gtctacctcc cagttccaca tcttaaaatc    780
aacttgtagt cccttgtagt aattacccca aatcaagaaa acaaagacct agaaaaacttt    840
ctttcccttc taagtttagt acctcattga ttttgtttca cagcttatgg aagatgggtg    900
ggtgacactt ttggtaaaaca ggatgttggc aacaaagaga aaatatctct cctcagactc    960
caccaactct aacctgccag cctgttagta cctgtgtagt aagaagagtc tggtagcctg   1020
gagggctctg gcttggtaca ggggagagcc ttactgccag gacaagcact ggccacagga   1080
aataataagc tctaaaactc tcctgtaata tctctgactc gatttagcac cacttttttc   1140
catttcattt tttagggact gaaacataaa ataaccagt tccagaggca agtgacatat   1200
gccttacgct tgtggccatc cttcatttct tcattcgtaa actttgctta aaagactaaa   1260
attcccaatt ccttataaaa aatatattct tgccctcagc cctgatggcc actggcaaat   1320
acttttattt tccaattgat aagagagcct cttcatctt cttggtcata gttgggatga   1380
ggtgcatgtg gtcatccaca cacttggtca cacaactgtc cagctgctgc ttcacctgaa   1440
gctccttact ccagcatct attgaatctt tggctttgtc gttgcaatgc atggtgcacc   1500
gggccaggcg gtcctggaac ttctccagct cactggtgac caaagcctgg gcttgagcca   1560
gaggcacatg gcagcgctcg atgcactggt gcacctgctt catggaggcc tggctgtcct   1620
cacaacagct ggcgctgcac cggaacatga gaccctgcat cttccggatg ttctctcttt   1680
ccagactctt caccatggac tccaccgcct cctgcaccgc gagctgctgc agctcagc   1738

```

```

<210> 4923
<211> 1349
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (11)...(415)
<223> similar to gi2588610 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4923
cggttcgggg ctgtaccggg gacccacgcc aggtggccag tgcattctgga aacccaactc      60
aatgcccccc gaccatgagc gaaacttcgg cttcaccagc tttgccttgg agctgaatga    120
gctgacagca gagctgaaac ggctcgctgcc ttccaccgac acgagactcc ggccagacca    180
gaggtacctg gagggagggg acatacaggg cgctgaggcc cagaagagaa ggatcgagca    240
gctgcagcga gacagcgcca aagtcattgga ggaaaacaac atcgtaacac aggctcgctt    300
cttcaggcgg cagacggata gcagcgggaa agagtgggtg gtgaccaaca atacctactg    360

```

```

gaggctgcgg gccgagccag gctacgggaa catggatggg gccgtgctct ggtagccctg 420
gccccggggg caggaggctc tggttcctca ctctcctgc ctccaccccc taccatggac 480
acatgggtga ggccgggctc cccgcctcac tgcccttgag accaaagggg cagccctggc 540
cctccctccc ctctgctggc cagaggggtct gcctctcagc ccacccccaa cccaccggtt 600
tggggtgaga agcagaatct gtgcttcccc agtctccttg cccagacaaa ccagcatgta 660
agacccttcc cgcttcacca ttccgattcc tgtccccttt ggggtacttg ggggagactc 720
tggtccccag gatctgttcc ctatttcagt gccttcctag gacacagggg actccttgac 780
gctccccagg ctttctgtgc ccaggcctct gtccccagcg gtgaggttgc agtgagtga 840
ggagaggagg tgatctgttc tccctccctt tctgcccata tccagcatct tcttccctt 900
ccctggccct gcagggcctt ctccagctcc ctttggttag tccctggcca tccctcctgt 960
cctggatccc ttctccctaa ctgcaaaatg cctgcagctt ccagctcctt cgtccctgat 1020
cctcaagcgg ttccctcccg tctcagctca gcgatcccc cagagtggag gaggcctctc 1080
catgaggagg ggagcagccc aaggcacctg tcccttgacc caccggcagc gagtgcgcag 1140
gtgtgagtgt aagttcatgt aggagagtgt atgctgtgac gctgtgccc tgcttgagg 1200
caagcagggc tccctcatgt agcccgccct tccccctgct gggggtccac cacatcgctg 1260
ctctttctca cagtctgcct ctgatgaggg cgaattgcta tgacattcca agctccaata 1320
aagactgtcc cagactttga aaaaaaaaaa 1349

```

```

<210> 4924
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1001)...(604)
<223> similar to gi3955266 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4924
tttttttttt ttttaaaggt acaaatttat taaaactttg cagttaacaa ttattgaaga 60
aattagtatg ttaactataa aaacctagaa gtcccaggaa ttagatttca aaggatttgg 120
tttcaaagaa ttctttataa gtgattttta ccattacatt ctttgttaaa ctgggacttt 180
ttctactttg gggattatth tgccccagct gtggccatgt taaaatttag tcaggcaggc 240
acatgaagtt gtgggagaga tgatgagggt cgcactctta tccaagtttt agcaaatagg 300
cactgtatth cccattttaa gggaatgcag tttcttctgc ggttcttttg cataaaggag 360
ctctagactc cccatttctt tcaactcaagg aagagccatt tgcattcttg tcctcacacc 420
tgagtacttg tcacaagtta aaacactggc caaatcacca cctcaggact ccttgtatgc 480
attcagataa aaacgtctgg ggtgggggaa ggtgctttcc ctcagttctt gttctcacac 540
atctgtcatt tagttgggtc cagttgggca ggtagaagcg ggttaaaagt tttaaaactc 600
ataataatcg tgtccagaga taaatgaagg ctggtgttaa caagcatgac agaaaagcct 660
ggaccagctg ttttctccaa aaagccagtg gaaagggggg cctgaagaag tgacaaaagc 720
catcccagcc gccctgagcc tgcagccagg cgcggtgctg ccccatgagc cgcgagctca 780
gcaaggccac caggcgctgg cagtcccggg cgacgtcgcc ctctgctcc tttagccgcg 840
gctggaagcc ccacttcttc caccggcgcg tcaccagcgg ccctctctcc agcagcgtcc 900
ctgcgaaggt caccagcgct accactaagc cccaggtggg gccggggctg tcggagagca 960
cggaatccgc catcagcgcc accagctcga agcgggtccc ggggtagccg aggtaggcgg 1020
a 1021

```

<210> 4925
 <211> 1283
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (113)...(835)
 <223> similar to gi4929321 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4925
 acagaggcaa cggttagggg agcggagggt caagccacat gtctgcgtcc tcggggggcca 60
 gagcccgcca gccctcgcg atcccggtc gcggccagcc cgagcggctc gggttttaaa 120
 aatcaatttg attggccaca ggaaacgtat tttggcatct ctgggagaca ggctgcacga 180
 cgatcccca cagaagcccc ctcggtccat caccctcagg acaggagact ggggagaacc 240
 ttccattacc ttgcgacctc cgaatgaagc cacagcctct accccggtac agtactggca 300
 gcatcaccca gaaaagctta tcttccagtc gtgtgattac aaagcttttt atttaggttc 360
 tatgctgata aaagagctta gggggacaga atcaacccaa gatgcttggtg caaaaatgcg 420
 ggctaactgt cagaagtcta cagagcaaat gaagaagggtc cctactatta ttctttctgt 480
 ctcatataaa ggagtcaaat ttattgatgc aacaaataag aacataattg ctgagcatga 540
 aattcgtaat atctcctgtg ctgcccagga cccagaagac ctctcaacat ttgcctatat 600
 cacaaaagat ttgaagtcta atcaccacta ctgtcatgtg tttactgcct ttgatgtgaa 660
 tttagcctat gaaatcatcc taaccctggg acaggcattc gaagtcgctt accagctagc 720
 actacaagca agaaaagggg gacactcctc cacacttcca gaaagctttg aaaacaaacc 780
 ctccaaaccc atccccaagc cccgcgttag cattcgcaag tccgtgcaga tcgacccatc 840
 tgagcaaaaag actctggcca atctaccgtg gattgtggag ccgggccaag aagccaagag 900
 gggcattaat accaagtatg aaaccacgat tttctgatac tcgccgtcct cctgtcctcg 960
 cggtccttg ctgcgcaagc ggtcccggag caggctttcc ttcgcgcctc cggtgccacc 1020
 cagcccagga ggaagactgc tctgagcgtg cggccttggt acgggcgaaa ggccactggc 1080
 cattcctggg gaagtctttt ctgcaccagt gatggaaaac gcaagacttt ccagtcgcaa 1140
 cccctgagag gcgtgagttg agatgggttt tccctgatgc tcccgactcc cctccccacc 1200
 acctaccaag gtatttctga tgactccgcc ccagtacttg ctttgcttca tttggggaaa 1260
 ataatacctt ttctttaaaa aaa 1283

<210> 4926
 <211> 972
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (112)...(496)
 <223> similar to gi407097 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4926
cgctctctcc tgagcataaa ctctcaccac cattcacctt ggtacccact gctgcttaca    60
tggtctcctgc tccgtgggaa cgtcccgcag atgttttcct aaccaaggtg ctttcccgtt    120
gcagatcgtg gcaggttgat cggcggcttg cctgacgtgg tgaccatcat ggaagggag    180
accttgaatc tgacctgcac ggtgttttga aaccctgacc ccgaagtgat ttggttcaag    240
aacgaccagg acatccagct cagcgagcac ttctcgggtga aggtggagca ggccaagtac    300
gtcagcatga ccatcaaagg cgtgacctcc gaggactcgg gcaagtacag catcaacatc    360
aagaataagt atggcgggga gaagatcgac gtgacagtga gcgtgtacaa acacggggag    420
aagatcccgg acatggcccc gccccagcaa gccaagccca agctcatccc cgcgtctgcc    480
tcagcggcag gccagtgaag gcgttttcct agcctggaga tgggaaaata tgcttggcag    540
agacaggaat gctgtgtgct tgttccaaat gagcagctgg catccgagtg gtgtcctgtg    600
tggtgtgata gttgatcaca cattgtgctt ttgatttttg catttgggtga tgaatatattt    660
atacccgctc aaggggagaaa gctaattgtt tccacaagac tgaacaacgt gtattttacac    720
gagggtagac ggcagatgcc tgacagagag tgggttggca gacaacacac tagcatttttc    780
acgggtgtgg gcacatgggt gtggcacctg gacgtgtgca gcatgtggcg gtctgtgtga    840
agccaccgtg cttctctttg gggggccgcg agatctagca tctctgaaat cctggctgtc    900
gaggctttga agcatgtgtt acctggttta gcttgttttc tcttgcttta ggcaaataaa    960
agtttaaaaa tc                                                    972

```

```

<210> 4927
<211> 2002
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> similar to gi3228374 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4927
gtcgacaaaag ccttccatga cctcgttaga gtaattaggc aacagattcc ggaaaaaagc    60
cagaagaaga agaagaaaac caaatggcgg ggagaccggg ccacaggcac ccacaaactg    120
caatgtgtga tcttgtgaca ggcctgaggc cctgggcaca gtgacggtgg cctggccagc    180
cctcgggacc cctccccacc taactgcact gaaaccattt ctaaccacaa cccttggccc    240
aaggacttgg tacaggaagg gagaagggca ggtgggcagg gagcagacag ggtctggctt    300
tgcccagagg gcacgggctt tcccacctct caaagagaca aggaagccac ctgtaagcag    360
aagcagcatc caagtgcacc tggccccccc atgtgttgat tcaaccgggt tectcccct    420
ctctcggtag gtgtgttgtt tattgtaact acatagtgtt ggtttgatgt ggaagtgttt    480
atccacatac aaagtacaaa acaagccatg aacaagcttc tttcccttac cccccatcca    540
caatgtctga gcttgggatg tcttttatag atttttaaat tatttttagt attattattt    600
tattaaagggt gtctgggctc actgcctggt gaagtttcaa gtgttcagca gacctctctg    660
gtaacatata tggaatattg ttgttgtttt ttaaccgagt tttcccatca gtgccaaaag    720
tctactcaat ctgaaagtag agtgtctgag aggacagaag gtaatgggaa ctgtagctgg    780
aggcctcagg ccatgggtca aacctgggag ggaaagagac cctacacatg gcctagaaat    840
gagagaagag agaggtatct acccagagga ttttcctatg gttggggatg caaatattag    900
aaaacagatt gtattttgct gaggggagtg gctgtcatga gcatgtcagt tctaaaaggg    960
gttttcatta tcctggaaat gtataaacta aagtaagctg attggctttg caaacatgtt    1020

```


006678-1

<211> 1057

<213> Homo sapiens

<221> misc feature

```
<223> similar to gi4559368 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

tctgtgtgtg	gaattcacgg	catcctgccc	ccactgcga	cagaggccac	agagtccgac	60
tcagacacgc	acggtacggg	tgactccagc	tatgccagag	tggtggggtc	ggacgccgtg	120
gactctgcac	agtccctctgc	cctctgtccg	tctcttgca	tggtggggtc	agatgctgtg	180
gactctggga	cctgcagctc	tgcccttgct	ggctgggagg	tgcaacgcg	aggtataggc	240
tccagactcc	tcaccaagat	gggctatgag	tttggaagg	gtttggggcg	acacgcggaa	300
ggccgggtgg	agcccatcca	tgctgtgtgt	ttgcctcgag	ggaagtctct	ggaccagtgt	360
gtggagaccc	tgcaagaaca	gaccagggtt	ggcaaggctg	gcaccaacaa	gccccccagg	420
tgccggggaa	gaggggccag	gcctgggggc	cgcccagctc	ctcggaatgt	gtttgacttc	480
ctcaatgaaa	agctgcaagg	tcaggctcct	ggggccctag	aagccggggc	ggccccagcg	540
gggaggagga	gcaaggacat	gtaccatgcc	agcaagagtg	ccaagcgggc	cctgagcctg	600
cggctcttcc	agactgagga	gaagatcgag	cgaaccacgc	gggacatcag	gagcatccag	660
gaggctctcg	cccgcaacgc	tgccgggcat	agcgtggcgt	cagcccagct	gcaggagaag	720
ctggcaggag	cccagcgcca	gctggggcag	ctccgggctc	aggaagccgg	cctgcagcag	780
gagcagagga	aggcagacac	ccacaagaag	atgactgagt	tctagagacc	ccacaagcac	840
tatggacgaa	gcgtgggacc	ccagcagcgc	ctgcccctcag	gaagaccagt	gttgcccagag	900
gagggggccgg	cctgctggcc	tggggcgctg	ggacactgct	gagtgagac	agagctgcgg	960
gggcccatct	ggacacttac	ttggccacct	ggcagtgtct	tgggcatttc	cttggcaagg	1020
acattaaagt	gatttcatca	caqtgtcaaa	aaaaaaa			1057

<210> 4929
 <211> 4061
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (4062)...(2827)
 <223> similar to gi577307 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4929

tttttttttt	ttaggggggtt	aaatgtttat	taaatcaagc	ttttaaatta	tatatccacc	60
tacagtctat	aaacaaatat	agtacacatg	tatgtaaaag	gctagcagat	aagaaccagt	120
ggaaaaacta	aagttccctt	tgcacaccgg	cacctcatca	caacaccctc	ttggtgtgga	180
tgccatgggg	ccatgctgta	gtcaaaagtt	aaatgaaaaa	ccacaagttt	agtttgactc	240
cgtctcctag	ggtggatttc	attcagatat	ttgttccata	ttataggagg	gtggatccta	300
gcaaggcaac	agtgtagttt	ttacattcac	agattggctg	aagtagtaca	aattgagctg	360
ctaactctag	tgtctccctc	cctgttacca	tacttcataa	gaaatgtgaa	ttaaaatgaa	420
caatggacca	caggtgggta	taaaaataga	taactcgcag	agtcataaat	atctacagtt	480
agtagagcag	aaacttctaa	aattttacct	tttccataat	gtgcagaata	tcctaagtat	540
gttcaagaga	cacagtcagc	agacttcaga	gtggttaatta	caagggcatt	tgtaaagaaa	600
taacactcga	gtacaaaacc	agagtaagaa	gctgaatgca	gatgaaaata	cgaaaaacac	660
gcaaagttcc	aactcctcac	atctcattat	gctacttact	agacaccaca	attagcttac	720
agccctttat	atatctttta	aagtaacttt	ttgttacctg	tgtacaaaact	ttaacaaaga	780
tttttcatga	gacaagcaaa	gtgggttaat	ggtggcgcta	aaactgctga	aacttggagt	840
gttttgtgtg	ctttcgtata	cttctgtgta	tggggcttta	aaatgctcca	aaaatgtttt	900
ggatagagtt	tttaaaattc	ccatgaaaat	ctattttata	atcatttcaa	ggtatagaaa	960
aaaagaaatc	ctaaactggc	attgagggac	aggcccaaat	ctcaciaaag	aacttaaat	1020
ctaggaatat	ataaattaca	ttcatatggt	catttaacac	gtatcaagt	ctatgtaagg	1080
taactgtaat	ggattctgaa	gccaatctca	tttaaaacag	tacagtaaat	cccatcttaa	1140
ttctacaatt	aaagcactta	ttccaggtaa	tgtgcgtttc	agcaaagctg	acatcttgta	1200
caacagtgtc	accttaaagc	ttcatcaaag	attcacagca	ggcctgaact	gtaaaagttc	1260
agaaccaaca	atgccacagg	tagttattca	tcctaatttc	tcgcagggag	tgaagggctc	1320
acttgagtga	tcctaagggtc	acctaagcct	agaacagtgt	tcctgaaaa	ctccagcaag	1380
tttctcacc	aaaatctctt	cagtgtaatg	tgtttgggac	ttgctagggt	agaaaaatgg	1440
gttccactga	tgtataaaca	tacattcgac	accttcaaga	ggtgtacaga	catagtgttt	1500
cccagactca	cttgaccttt	ccagggaaca	cctggaataa	tcaactggctc	ttgggacagt	1560
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<210> 4930
<211> 4741
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(4742)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4741)...(505)
<223> similar to gi5689487 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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ccacccctct cccatccctg ccgtgctggc acctgcagct ggggtggaact ggcaggggct 180

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gatccccctgg	agggctgacg	ttctcctgca	ggtggggctg	cctgatctcc	ttcggggctc	240
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tcctcttctg	ggcctgtcca	cttaacttag	caggctgggg	gcggggaagg	agagcagtgt	360
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tctcatagga	gtcccagcgc	acggctggct	cagtgggtgt	gtagtcgaca	gagaccgagg	3420
ggtcgttccg	tggagtgtct	cctttgatct	tctcggggct	ggaggagaag	acaaactcca	3480
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aagtgagctg	tgggtccgtg	atgggtgcagg	tgtggaactg	gactcggaac	acgagggtcc	3600

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c

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```

<210> 4931
<211> 3034
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2522)...(1849)
<223> similar to gi2981435 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4931
ttagttctta gaggaagaagt gagacacaaa agaataagag acaggatagg taggaaggaa 60
accttagact gtgtgaatct attctttgct aacaacagac gctacaaaaa gttctcattt 120
gaaatatctt gtcaagctac agacaacacg ttttcttgac atgattttta taaaaaatac 180
agctgacata acagattaca tgaaactata cacaatgaca ttctctgcat agtaaccaac 240
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gatgctatat tgatatattt agataaatct ttcaaaaatc ataattgatt tctatagatg 420
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ttctataacc acaatggtat tctgtttaga acttaagaga atgttgtgaa cgttcccat 660
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gaagagggta	gtttgggggg	taggggtgag	taggaataaa	aaagaacttt	tccctccaag	1200
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<210> 4932
 <211> 1461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)...(248)
 <223> similar to gi2290725 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4932	
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gaccaaagcc	gtcctgtgta	tgggtggtggc	agggggccatc	gctgccgtct	ttcacacact	240
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tcattgattt	aaatgtattt	attgagataa	gtggtttctt	cactaattat	caaatgtttc	360
ttatgaaatt	ttcaggggat	agaaggaaa	cgcttggtgt	cctagcttaa	gacaataatg	420
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gaaaaaaaaa	aaagtcgacg	c				1461

<210> 4933

<211> 1065

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1066)...(478)

<223> similar to gil322603 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4933

gaatccctat	gttaaaccog	tggtttctca	tgaattagat	cataatttaa	cattgtaaaa	60
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ctccattcat	tgttagaaca	gaagatataa	tagcttacta	actgatatga	gttatgaatg	180
tcactatgac	acaaaatttg	ctgtgatttg	ctaactctggc	tacaagtga	gtatttttca	240
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aacaaaatcc	attaggaaat	caggcacaga	cggatttgat	cggtttttct	tcctttcctc	420
ctgtggtttt	gtttctcaag	acatatagg	ggttccaaca	gaagccaaca	cttgttacaa	480
aataacacag	ctattttttt	ccttttcttt	ttctttatct	ttttctcgtg	gttccttcog	540
tttacgttca	ctattcccag	attgtcttcc	acttgatgga	gaggcttgtg	ctggctggcc	600
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gtattgagaa	gcccgctctgt	cctcttctc	ttggagtttc	tttgctagtt	ccaaatcact	720
gattccttcc	gggatttgtt	cccaattgat	ctcttggtct	tgctgttctt	gtttagagaa	780
taatgccata	agataatcct	gatctatctg	atcttgttgt	cctttgtata	cagtttcagg	840
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gtgtaggctt	tcccaaacaa	ctttctcttc	agtaagaaac	ccctgggtccg	ttaccaacaa	960
atacagttga	cccttgtatt	tggtcatggt	gctaaaatga	ttattccgaa	agaacacaca	1020
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<210> 4934
 <211> 1062
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1063)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (48)...(513)
 <223> similar to gi3877201 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4934						
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tcaaagccac	gctggagaac	atcaccaacc	tccggcccgt	gggcgaggac	ttccggtggt	120
acctgaagat	gaaatgtggc	aactgtggtg	agatttcgga	caagtggcag	tacatccggc	180
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gtgacattaa	tctgcaggag	aaggactgga	ctgactatga	tgaaaaggcc	caggagtctg	480
tgggaatcta	tgaggtcacc	caccagttag	tgaagtgtgc	atccctcttc	cttcccagtt	540
gcccttaaga	actgagaaa	gacaaagtac	tctaagcagc	agagcccaca	gaggctcggt	600
cctttgacct	ttgtctcctg	gtggctatac	gaaaccttca	caatctgcat	gctggacttt	660
attacagctt	ccaagcccc	atcaataaag	cccctgttca	cgctgactg	gtgcatgaag	720
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acagagatga	aaccgcgatc	ccaccatcac	tcaatgagcc	agaagccaat	ggtgacgtac	900
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ttaaaagaaa	ttaagaacca	tcttcaagca	aaaattaaac	tttatttctg	cttaaacaaat	1020
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<210> 4935
 <211> 5451
 <212> DNA
 <213> Homo sapiens

<220>

09483725-042100

<221> misc_feature
 <222> (2)...(1025)
 <223> similar to gi3413920 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4935

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ccacgttatc	ttgctgcctt	gcggcagctt	caatcccatc	accaaagggc	acattcagat	180
gtttgaaaga	gccagggatt	atctgcacaa	aactggaagg	tttattgtga	ttggcgggat	240
tgtctccctt	gtccacgact	cctatggaaa	acagggcctc	gtgtcaagcc	ggcaccgtct	300
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ctaccaggac	acctggcaga	cgacctgcag	cgtgttgga	caccaccggg	acctcatgaa	420
gagggtgact	ggctgcatcc	tctccaatgt	caacacacct	tccatgacac	ctgtgatcgg	480
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cccgcgggtg	gagcgtttca	cctttgtaga	tgagaatgcc	aatctgggca	cgggtgatgcg	660
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ccgcaaatac	aaaaacaaca	tcatggtggt	gaaggatgac	atcaaccatc	ccatgtctgt	900
tgtcagctca	accaagagca	ggctggccct	gcagcatggg	gacggccatg	ttgtggatta	960
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<210> 4936

<211> 2309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (74)...(856)

<223> similar to gi6018317 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4936

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<210> 4937

<211> 1035

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature


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aagccatgat caagaagaaa gagttccaga gggaggctga acctgagggc aagaagaagg 960
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aaaa 2224

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<210> 4939
<211> 1238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1171)...(101)
<223> similar to gi473431 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

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ggatcagggt cacctgcagg tcacgggtccc aatgctgctt gctggccagt agcgcgtcca 300
ggacggcccc catgccttcc tccttgcgct ggtcctggcc actgatgacg tagcagagcg 360
cgcgcacgcg ctggaagaac tcctcatcca ccagggtgggc gctgctcccc ctgggcagggt 420
aggccagggt caggtagacc ggggacttgg gtgggggtgg tgacaccccc ggccgggtgc 480
tggctgaccc cgacgggcct cgagtggcag tcttgggggt tgaggacttt ctggacaggg 540
gtgcccggcc tcccttctca ctgggctcac tccgggcact gagtggctcg ctggcacggt 600

```


<210> 4941
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(748)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (711)...(390)
 <223> similar to gi3023044 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4941
 tttttttttt ttaatcaggt gaaaatattt tattttgacg tgctttttct tgagtgcctg 60
 aatgtggtgg ctcttagggg aaccccagaa tcctcactgc ggcaacaaga cctggccacc 120
 accctcacct cgaccaccac ggccttcgct gcagccccac tctgactccc cgggggctgc 180
 tcacgtgcca gcacccactg gccaaagcat ctccggcagg acccaagtcc tctgtattca 240
 gaggccgacc ctgctttcca gagactcacg aggtggcaga gagtcaggct gtggcagggg 300
 cccctgtgta tcgaggagag gaggaagagt ctgcagaggt ttctagggaa ggagatagtg 360
 tggaagtgac tgtggctctg gtccctgcctg ggaggagatc tacaggggag gggcctggcc 420
 ttgggctggc cctgccctgc gtgggatctg tgccctgcgt gggatccctg cctgtgtgtg 480
 ggtgcgtggg gtctgtgccc tgtgtggggg gtgtgggggc tgtgccctgt gtgaggtgcc 540
 tgccctgtgt ggggtgtgtg ggggtctgtg cctgtgtggg gtgcgtgggg tctgtgccct 600
 gtgtgggggt cttgggggtc gtgccctgtg tgagctgcct gcccctgtgt ggggtgcgtg 660
 ggtctgtgcc ctgtgtgggg tgccctgccct gtgtgggatg catggggant tccccgact 720
 ggacaactat ctacaaangg gggggggg 747

<210> 4942
 <211> 1641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (72)...(342)
 <223> similar to gi3047103 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4942
 ggaattcgag gaaactagag ctggcagaaa ggggtggacac agattttatg caactaaaga 60
 aaagaagaca atcaagttag aaggaaaatg actcaggcac ttgggacacg gtaggcgctg 120

tggttggtga	ccacgaaggg	aatgttgctg	ctgctgtctc	cagtggaggc	ttggccttga	180
aacatccggg	gagagttggg	caggctgctc	tttatggatg	tggtctgctg	gctgaaaata	240
ctggagctca	taacccctac	tccacagctg	tgagtacctc	aggatgtgga	gagcatcttg	300
tgcgcaccat	actggctaga	gaatgttcac	atgctttaca	agctgaggat	gctcaccaag	360
ccctgttgga	gactatgcaa	aacaagttta	tcagttcacc	tttccttgcc	agtgaagatg	420
gcgtgcttgg	cggagtgatt	gtcctccgtt	catgcagatg	ttctgccgag	cctgactcct	480
cccaaaataa	gcagacactt	ctagtggaa	ttctgtggag	ccacacgacg	gagagcatgt	540
gtgtcggata	tatgtcagcc	caggatggga	aagccaagac	tcacatttca	agacttcctc	600
ctggtgcggt	ggcaggacag	tctgtggcaa	tcgaagggtg	ggtgtgccgc	ctgggagagc	660
ccagtgaact	gacccttcag	gctgagtgtg	aagcgtctca	gaggcatttc	agaacctgag	720
cttttggggg	tttttaactg	aagttggttg	ttttatcttt	cttgttttat	aattcctatt	780
gcaacctcgt	gcactgctcg	agacacaagt	gctgctgtag	ttagcgctta	gtgacacgcg	840
ggccttttgt	gggtgagcgg	gactgtgtgt	gagtgtgtgc	gcgtatgtgc	gcacatatgt	900
gtatgtgtgg	agtatgtgtg	tttgcttctc	cgtggatgaa	atagaaactc	ctcattgtgt	960
gaccaggaat	ggttaaatca	tctttacaaa	atgtgtgctt	taactgttta	caagtataaac	1020
ctaaagttgc	aggaaacatt	ttttatttctg	ttaaaggagta	ccaactgtcg	ctgatgtgat	1080
atgtcagaac	tgaagagtaa	atctacttgt	ttaaatgact	tgacagtggg	agtgtctccat	1140
ttaataacag	taataagtaa	taaagtgttt	ttatttggtta	accagtttta	gtggatcctg	1200
tggttaactta	aactgttgtt	ctcatccctt	atatggggca	tttttcttta	acaaagaatg	1260
gtttcagtga	aacaatctag	cagagaatta	atgtcagaac	cttttttaaat	aatagtctga	1320
ttgatacagt	ttgtacttat	ttcatcaagc	ttttctaagc	ttaaatattg	catagcttctg	1380
agctgtatgg	actataattat	gaaagaatat	gtaaagagaa	catacagtaa	tgacacagtcc	1440
ttaatttgtg	tataatggaa	agttattttac	aatataacac	tgtaaataag	aaagcaaagt	1500
ttatgggaaa	attcaatatt	atctttgttt	ttgttttaaat	atatttttta	gataaaggca	1560
caaaaataaa	agaagcgtat	tactgggtat	agtatgtgac	tcctcttctc	agactaataa	1620
attatctttt	gaatccttaa	a				1641

<210> 4943

<211> 1558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1475)...(886)

<223> similar to gi5649176 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4943

ccacctcaga	gcaaccacag	ctgggcggtg	ctgttcgacg	ggcagagcgg	ctgcatctgt	60
taccgcccctg	aggagcacca	ggtctgcttc	ctccgcctga	tggaggacag	tgatcgggag	120
accctgcggc	tgctggtgga	tacctccaag	gtccaagagg	cttgggtccc	cagccaggac	180
accaccacac	cccaggagct	gctggcagtg	caggggagcc	tcgaagtggg	ccccgccag	240
gcgggggctt	tggtgcagcg	cctgtgcatg	aggaccccc	tctactgggc	ccggcgagca	300
gaggggcccc	ggagacagcg	gctgatttat	ctctgcatcg	acatctgctt	cccagagcaac	360
atctgcgtgt	cggctctgctt	ttattacctc	ccagactgag	cccccgacct	ggcccagcct	420
ggcccgctcc	caatccagtg	ggctggccag	gccacctgca	ccaggaggga	cagctgctgg	480
cagggactaa	taaacccttc	cacctggcca	tgggtggtgt	gttctctatg	gaccgaggcc	540
ctgaaacgcg	ggcagggagg	ggcagagaac	gcactagctt	gggggtgggc	accagcctca	600
gacccctcag	cagctttggg	ccctcggccg	actttcccag	gcagtgcagg	ctagcccagt	660

caggagtggt	gcagcctggc	ttgggtcgag	ctctgtcaca	tctggataag	caactggggg	720
ctgagagtcc	cagggcagcc	tggcccagca	ggtcaaggcg	ccacaggggg	ccatcaggtc	780
cagctggcgc	aggccggcag	gggaggggtct	gctctgacct	gggtgctgca	tgggtccctc	840
cagctgccac	cacctgcacc	aggcagtccc	gaggggtcac	aggctagccc	agcacactgt	900
cattgaaggc	caggcagaca	acagccttct	ggtggccgcc	atactctctc	ttgatctctc	960
cagtctccac	acaccagagc	cgggccagggt	tgtccgagga	agcagtgacg	atgtactggg	1020
agtcccccca	gaaggcgcag	ccccacatcc	agccgcggga	ggactccccg	gggttgccgc	1080
tcttgatgct	cagctccgtc	atcagggaga	agttggacgt	cctccagatc	ttgcacgtct	1140
gatcagccga	gcaggtggcg	aggagcgtgg	agtcggggct	gaagcgacac	tgcagggcgt	1200
agcgcgctgt	ggcagggatc	ttagtcttgg	ggatgagctg	ggtcacctcg	tcaccaatgc	1260
ccccgcag	attccagaca	tagcagtttc	cggtgctatt	gacagctgcc	atgtagctgg	1320
cgtccgggatc	gatgtgggcg	cagctgatgg	agacctcggt	ctcagggatc	agctgtcgt	1380
tgtggtctgt	tttcaagtc	gacatgtgga	tagccccgt	ctggtcaccc	acgatgagct	1440
ctgcctggtt	gggggtgcagc	accaggactc	ccaggtgaat	gccttgagg	tcacaccgga	1500
ccgcagcatg	attgctgctg	caggttacca	gcacatgcgg	atgtatgac	tcaactcc	1558

```
<210> 4944
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (357)...(215)
<223> similar to gil565257 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<210> 4945
<211> 1918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(811)
<223> similar to gi5912153 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```

<400> 4945
gcaaggtgac cgccccacgg cggccccagc gctacagcag cggccatggc agcgacaaca 60
gcagcgtgct gagtggagag ctgccgcccg ccatggggccg caccgccctt ttccaccaca 120
gcggtggcag cagtggctat gagagcctgc ggcgcgacag cgaggccacc ggacgcgcct 180
cttccgcccc tgactccatg agcgagagtg gggctgcctc cccaggcgcc cgcacccgca 240
gcctcaagtc cccaagaag agggccacag gtctgcagcg gcggcgccctg attcccgcgc 300
cactgcccga caccactgcc ctggggccgta agcccagcct ccccgggcag tgggtggacc 360
tgcccccgcc cctggctggc tccctgaagg agccgttcga gatcaagggtg tacgagatcg 420
atgacgtgga gcgccttcag cggccccgcc ccaccccgag ggaggcccc acccagggtc 480
tggcgtgctg cagtacaagg ctgcggctgg cggagcgacg gcagcagcgg ctgcgggagg 540
tgcaaggccaa gcacaagcac ctgtgtgagg agctgggccc gaccagggc cggctgatgc 600
tggagcctgg ccgctggctg gagcagtttg aggtggaccc ggagctggag cccgagtcgg 660
ccgagtacct ggcgcccctg gagcgagcca cggcgggccct ggagcagtcg gtgaacctgt 720
gcaaggcgca cgtcatgatg gtcacctgct tcgacatcag cgttgacgcc agtgctgcca 780
tcccggggcc gcaggagggtg gacgtctgag gctggggcgc ggacaagagg agggggcgctg 840
cagcgggctg gaggacggga cgtgggacgg agcagggatg tgggtgggggc tgcgggggga 900
ggatgcggag gggtttctgt gcaggacggg agtctcagag aggagacgga gtgtggggga 960
gggagggccg gccacgcggt ggacagagcg agggtgccag ggtgacccga agaccgtcac 1020
caccgcagac caacgcaagt gcctttgacc ttgatttgga cttttctccc ttttgcattt 1080
ggtgctacag acttgagaca ccagcagaag ttgtgttcag cccggccccg ctgcgcctgt 1140
ccgggcccgg gctggcgccg gttgtgtttg tgtccacctt gccttctttg cagccaagca 1200
gtttttgtgg agtgggactt acctgcacgc cccaggggtc tttcaggatt caggatgact 1260
tttcttttac aatggtttcc tctcggcaga gcccggggtt tgggggatct gtgtgggggt 1320
ctcaacgcag atccatcctg gggctctccc ggaggggatg gctgacctcg agtcccctcc 1380
cttcccgaga acccgctctg tcccgagggc agctaacaag ggctgagccc caggtacagg 1440
ttgcctcctc caccgcagga atttttacca aaaccacaag caaaaaaaca aacagaccac 1500
cacgaccaac aacaaagatg gggggtaggg ttttgtaaag gttctgttag gttcatattt 1560
ttatatcatt ttgcccataa atgcggaatt tgccgtggga atttgaagac aaatgatcta 1620
tgtttttatg gttttctagg gaagggtgtt tgggggcccg gctctctcca gctgtgggag 1680
gcctgctccc tctggggggc accctgggca ggggtggggg gccttgggag gcgcttcttg 1740
ccaaatgcag acgaggggtg agcctgccag cgtttgcgac gtccccgcac gacaggctca 1800
tactttctga ggatcgtgca tagcatagga cgtctgaacc tttgtacaaa tgtgtagatg 1860
acatcttgct acagctttta tttgtgaatt aaagatgcat cgatgggtta aaaaaaaa 1918

```

```

<210> 4946
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (491)...(384)
<223> similar to gil872200 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4946
gctgaggaat tcggacgaga gaaataaaac gatctagtta ttgaaaacc ttaacccta 60

```

tggacacact	cacatacaca	cacaaaaacac	gtattcccaa	cgtagattttt	cctaccgctg	120
agctgctttt	acctatgctg	ttttctctac	ctggaaagcc	ccctcttgct	ctcctagggtg	180
tcactgccaa	aatactacct	ttcctataag	gtccagggtat	ataagcacca	tggacattat	240
ggagagagta	gggggcatgg	ggtccacatt	ttgtatcact	gtccaccact	cccagcctgg	300
accatctcac	actgagtcct	tttagtattc	tgattcgtag	tttacttatc	ctaaaaaatg	360
ggtcagtaaa	cctcttgcta	tggcacgggtg	gctcacgcct	gtaatcccag	cactttggga	420
ggctgaggcg	ggcggatcac	ttgagggtcag	gagttcgaga	ccagcctggc	caacatgggtg	480
aaaccccatc	t					491

<210> 4947
 <211> 1500
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1501)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1503)...(1149)
 <223> similar to gi4884370 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4947	
tttttttttt	ttgtacaata actgactttt gcaattattg tgtaattttac acaaggacaa 60
cccccaaatt	cccacacttc gtttttatat ttctgccttc attattcttt caatatctac 120
gtcaacagaa	atcgtttctc ccaataacat atgtggtttg atcctcagcc aggggcgcac 180
aggccctaca	agagtcccag ccctccaaca cgggacacct ggaccctccc ccatttggtgac 240
tgccagccct	tgggtctgttt tggttaacccg gggcttctnc ctggggcccc tggtcacccc 300
ctggaagacc	gtccggtaag gtagggaaat ggccaaacag gatctgtgtg atgtgtcaac 360
tctgagtaaa	tccaagaggg ctgcctaggg agccccagg ctggagggat tgagaggcca 420
gggctgtgtc	tggttccatt tcaaagaatg ctgtgatgca ttagcagcgt tctgctatgg 480
gcaacaaccc	attagaagca cctggaaggg gggttttggg aaacggggtc agaaaggagc 540
aaggtgtgtc	cgttccattc ttgccttagg tggtgttcc gttaccagg ctatgctgtc 600
tcagtggcca	ggtggctgag gaggaagtct gaaggccgca tagttgcaag tggttccct 660
agggcctgca	ggggacagca taggccaaa gctagaggaa gcttggagg gcgcccacgc 720
tgggtcctgc	ggggctctgc atactgcagg ccaccatggc gctagctcct taccctctgg 780
agtctgtctc	atccaggaga agacagctgg ctggcctcag agcgttacat gcaactcggg 840
tgaaaacatt	tttacatgac acagacacac aatgggcttt acctctggat aaacttagaa 900
actttccatc	caaacgaaaa ggggtgtatct tctgtatgtt gccaagaagc ctaaaactgag 960
tacaaggacg	atcttacttt aatcaagttc cagaatgagg gtacacagct tcgaaaagca 1020
gtctgtagca	gaagatgcaa ggggtgtgtg agccatgttt ccagaatata ccaaaggaaa 1080
cacacacaac	cccagtgtgg ccttttgoga accctcgatg ctgctccata ctgggggcag 1140
gcggctactt	cgtccagctg actttgggaa tgtcgtaatg ctccgtgagt gtgtccaggt 1200
gtctgttgaa	gtcctccact ctctgcttgt gggttttgga tgccctcttt aggatccttt 1260
ccatttgccg	cttctcctgc attttctcga aggcgcgctg ggccgggggtc cgcttgcca 1320
ggccgcgcgc	cttctcctcc tcgttctttt tgctcgttcc cattgcttcc aggagtttcc 1380
ctttgtcttt	gtccttcttt ttcttcttcc gcttgggtcac tcccagctct gcgacgcctt 1440

tcagcttcag ggggcccttt tggacctgct cgtaggcctc catgacactc tccagtgttt 1500

<210> 4948
<211> 885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(886)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (860)...(446)
<223> similar to gi3885828 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4948
tttttgaggg tcaaatatct ttaaataaag tgccaggaac aataaatact gtacaggaag 60
agagtgcacg tgaacgtcca gatctgtggt ttcaacctcg agactccaag gacctgcaag 120
gggggtggac aagggaacccg ggatcaggga ggctccgggt agacaagagg ggcaggactg 180
gggttgacga ggcaagggcc caggtaagtg ggctgaggga tcccagccac agtaggttcc 240
gtatcttggg atggaaggaa gctaagggtc cccccaggga tttggccaaa ctaccctggg 300
gtgagagcct gggccaaggg tcaagggtca ggatcccaga ggaggggcca gggctggaag 360
atccaggaag cactggcctg gtttgggagc ctgggggttaa aggggagccc gtggaggccc 420
caggggtgtg gtgaccaggg ggctcacgag tagctctgat gctgttggcg ccggcgggca 480
gagcgcatct tctgaaccg ggctccatc tcctccagca ctgcggtgt gtaacggaca 540
accagcttca ccgagccctg ggccgccttc agcagctcca ccgccttctc atgctgctca 600
ccctcaacgc tcacaccgtt caccgacaac agttgatccc cagccttgag gcctccatgg 660
cggtcagcca cccccctgg gatgaccgg gagatgtaga tgggcgagtt ttgctctttg 720
ccacccatga tgttgaagcc taggccctca tccgtcttgg gtagctccac taccctggga 780
tgtgcgtggc cctcgctggc tgtgaaggca gccactgtgg cctttgctgt ggcattgggct 840
cggatctcgc tcgtgccgaa tctgcagcga attccttntt ccaca 885

<210> 4949
<211> 1258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1256)...(586)
<223> similar to gil205993 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4949
tttttttttt ttattggact gtaggttttt attaaaacaa acattttctca tagctctaag    60
caaagcatta gaattcatca agcggactca catcttttct ctgcacagag agggctgaaa    120
agggagagaaa agtcccttat gtatgtctag atttggtaaa gcgaaggatt tcagcgaatg    180
agtcactgag gctatacacg tttgcaaatt gtaaggcact ggcgggcaga gagcacagat    240
aaaggacttc tgggggtcccc catcctgtcc agcaacctcc cagctcacac cttagcttct    300
accaagaagg gtgaacacag catccctgct atcttctactc agaccccaga agacacagga    360
aaccgcacag ctccactccc accataactt attaggagat aagtcacatt ttatcaactt    420
gccatcgcg ctcctataga ttatacttcg gtaaacccaa tctgtataaa ttcctttgta    480
ctttgtgcac tttaaatgcc acgattgtga atcacacaag cattgccc aa tttgttgaaa    540
gcatttttac tggaaacctca aaggcccacc atgtggggag caattatttt ttaataccca    600
ctgggcagga cacgccggtg cccccaaggc cgcagtagcc attgggggtt tgctcaggt    660
actgctggtg gtagtcttcc gcatagtaga aagtctgtcc ctcccgatg tcggtagtga    720
tggggccgaa gccgtgctct gaaagaacct tttggtagtt ctctttggag ctcagggtctg    780
cctccatttg cttggcagag gtcgggtaga tggccgagcg gtactgagtg ccatggctcg    840
tcccctggcg cataccttgg gtcgggtcgt gattctccca gaagacctg agcagttcct    900
caaaactcat gtgttctggc tggtagacca ctcggacgac ttctgcatgg ccagtttttt    960
ctgagcagac ttctttataa gtaggatttg aagtatagcc tctgcaaaa ccaacttgag   1020
ttgaatacac tcctttcaag acccagaatt tcctttcagc tcccagaaa catccattc   1080
caaatacagc catctgtgtt ccctctggga aaggttcgac tgttctgttg ccattgacat   1140
gatgtttggc cgctacaggg gtctgttcct tccggcccgg caaggcctcc tgggggctga   1200
cgatgttcga ggccgagttg cccatcctcg ggacgggaaa gaggctgtgg aggaggag   1258

```

```

<210> 4950
<211> 1188
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1189)...(496)
<223> similar to gi2815610 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4950
tttttttttt ttattattca ggcaatttat taaacattac ctatagaata ttatgatctg    60
tattttacag aagttaaaaa gtgatgtatt agtattcata acaactgctc catgcaggag    120
taatagaagt caacattaag ccaactcta ttttcagacc aaccatgcaa ctttagatca    180
gaggacacat gggactctgc atcttaattc cttaaattac agtcaaagac attttcagag    240
ataagtatta tgaattcaat aagaatctaa agtaagttct taaggcaaat agctataaaa    300
gagaagaatc cttagtctct catcttctaa aaacagcttc acaaataatt tggaaaatca    360
gcctaaagggt aaatagaaac tgcatttccc ctccattctt gaagccaatc tttttcaaga    420
aatgactaag cagcacctgt tgttgaagac agcaataaag cctgaacctg aactcaagc    480
tttggtagag gatcagtttt ctggcttgga ctggtcagga gtcacttcac tcagaatctt    540
cattagtgat ttttaagcat tgtgcgttag cactatcttc tctttcagct ctgcaatctt    600
ttctgataga ggaacatttt gaatatccat ctctgatgca tttactatgg cttttgtttt    660
taagagatag cacaccattt tgtcactgga aaggcagaag tgacctctca aggcagccag    720

```


acaacccccag	agataagcag	ctctatgcct	ggaatgaagg	aaaccagatc	atttacaaac	480
tccagacaaa	gagaaagctg	cctctgaagt	aatgcattac	agctgtgaga	aagagcactg	540
tggctttggc	agctgttcta	caggacagtg	aggctatagc	cccttcacaa	tatagtatcc	600
ctctaatacac	acacaggaag	agtgtgtaga	agtggaaata	cgtatgcctc	ctttccca	658

<210> 4954

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)...(247)

<223> similar to gi4539520 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4954

ggggattatg	tagaaaagata	tgatcccaaa	acagacactt	ggaccatggg	ggctcctttg	60
agtatgccc	caaatgctgt	tgggggctgt	ctccttggtg	acagattata	tgctgatggt	120
ggctatgatg	gacagacata	cctcaacact	atggaatcct	atgaccaca	aactaatgag	180
tggacacaga	tggcttcctt	gaatattggg	agagcaggtg	cctgtgtggt	agtcatacaag	240
caaccttgac	ttattgatat	tttacttgga	aagattttac	ttgctggagt	ggttattttt	300
atattgaatg	gcaagaatga	gaacttccag	agatgaaaac	tcttcaagaa	caaggatctc	360
tgtagcgtta	cctactgatg	ttgaaagagt	tagtagatca	aacagaatag	taggaaacaa	420
gaaaacatta	aacttatata	ggaaaaatgt	ctggccatat	gttagttagt	tcgggaatgg	480
ttattggtaa	tttgttttgt	attatagcat	acaataacta	gagttaccaa	aggcttggtt	540
tttcttgagc	agttgaaagg	agagaccaat				570

<210> 4955

<211> 1371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1285)...(757)

<223> similar to gi3417425 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4955

tttttttttt	ttaaaaaggc	acataaaaat	atttttat	tctataaata	cattaggaaa	60
tgtattttct	cccaaccag	tccacccat	taactcaatt	ttttctacat	aaaaaagatg	120
ctaataccac	cctcacctgt	gactgctaaa	cagagaaaga	ttgcctggac	taggcattat	180


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ggtggagcga gtaggtgagg tacatggcca ttaggtctg ggacagggtc acgatgagcc 1080
tggtgggtcat gtacagtatg cccacctggt agaaagccgg ctcccgagc cagtgtctcc 1140
agagcagcag gggctgggcc gtggcagggg ccaacagggg ggtgtgctcg cctggctcct 1200
ccgcatgctg ccggcgcttc tcccgggtgc ccaggtggaa tagcagttag aacacggcgc 1260
cgacaccac caccagcagg gacagggttc ggaacacggg cacgtcctgg cccccagct 1320
ggtcgctgat gctgatgtct tgggtgggct ccaccgcga cgagccctgc aggtgcagca 1380
ggagccaggc ggcgccgtag acggtgatgt tggccaccac ggtgaacgca tacctgagtg 1440
ccgtgagctc caccttctcc ggacgcgtgg gtcgacccgg caaaacggag cggctc 1496

```

```

<210> 4957
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(559)
<223> similar to gi498721 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4957
ggaaaaacct ttagtcgtgg ctcaagaactt actcaacatg agcgaattca cacagggtgag 60
aaaccctatg aatgtaagga atgtgggaaa tcttttattc gtggttccca gcttactcaa 120
catcagagaa tccatactgg tgagaaacct tatgaatgta aagaatgtag aatggccttt 180
actcagagtt cacatctttc ccaacatcaa agacttcaca ctggtgagaa accctatgtg 240
tgtaaatgaat gtggaaaggc ctttgccgct ggcttactac ttatacaaca tcagagaatt 300
catactggtg agaaaccata tcaatgtaag gaatgtggga aagcctttat tcgtggttca 360
cagttgactc aacatcagcg aattcacact ggagaaaaac cctatgaatg caaggagtgt 420
ggcaaggcct ttagtcatgg ctctcagctt actctacatc agagaatcca tactggtgag 480
aagccctatg aatgcagaga atgtagaaag gcctttactc agagttcaca tctttctcgg 540
catcagagaa ttcatactgc tggagctccg ttactctcat ggggactttg agaatggtat 600
ctgggtgtta tggatcatgg agcagaaata cagaaggagt ctgcaaccct gatgactttg 660
tggaacagcc atactagctc tgggtctgct gcctcctgtt tctctttaa taaaattaaa 720
catcttaaa 729

```

```

<210> 4958
<211> 1618
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1619)
<223> n = a,t,c or g

```

```

<220>

```

<221> misc_feature
 <222> (1)...(740)
 <223> similar to gi2852615 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4958

cccatggcca	cgggtgatgg	cgccaagacc	ctggccatcc	acgtgaaggc	cctgacggca	60
gactccatcc	gcatcacgtg	gaaggccacg	ctccccgcct	cctctttccg	gctcagttgg	120
ctgcgctgg	gccacagccc	agccgggggc	tccatcacgg	agaccttggt	gcagggggac	180
aagacagagt	acctgctgac	agccctggag	cccaagccca	cctacattat	ctgcatggtc	240
accatggaga	ccaccaatgc	ctacgtagct	gatgagacac	ctgtgtgtgc	caaggcagag	300
acagccgaca	gctatggccc	taccaccaca	ctcaaccagg	agcagaacgc	tggcccatg	360
gcgagcctgc	ccctggcggg	catcatcggc	ggggcagtgg	ctctggtctt	cctcttcctg	420
gtcctggggg	ccatctgctg	gtacgtgcac	caggctggcg	agctgctgac	ccgggagagg	480
gcctacaacc	ggggcagcag	gaaaaaggat	gactatatgg	agtcaggggac	caagaaggat	540
aactccatcc	tggaaatccg	cggccctggg	ctgcagatgc	tgcccatcaa	cccgtaccgc	600
gccaaagagg	agtacgtggt	ccacactatc	ttccccctca	acggcagcag	cctctgcaag	660
gccacacaca	ccattggcta	tggcaccacg	cggggctacc	gggacggcgg	catccccgac	720
atagactact	cctacacatg	atgcccgccc	acccgggctg	ccccgcctca	gccccagctg	780
ccttggcgtg	gccaatgtgg	tttgcccagc	ctgctgcaat	ccaagagagc	aaggaagaga	840
aattccatgg	gtgactttcc	tccgcagaaa	gcaaagtttg	gggagggctg	acgattttgt	900
agaacacaac	agtgacaatt	ttttttaaaa	gaatagaagg	caggaggggg	aattcgacat	960
tgttgaagac	ataattttata	ccaagttatg	cccagttggg	gagggaaagg	ctaaaaataa	1020
tattgcaggc	agggctgggt	tgggtttttt	ttttttcccc	cctgaactgg	aaggatacta	1080
cctgtacaac	atcttgtgga	cacctcatgc	tttgttcaag	gccatcacaa	aggaaccgcc	1140
cagggagaag	cagccggctc	tcaaagctcc	cacgcagttt	tccccgccac	tggccactcg	1200
ctggcgaccc	gatggaaggt	tttcaggctc	ctcaciaaagg	agagagggaa	gaaaagatct	1260
tttgccctgg	agatatggtc	ctgaaatctc	tcccctggct	tattccatac	catttccctt	1320
gcagattttgc	agaaacatgg	catctttcac	tgcatctttt	gaacaatcat	gtagtcgatt	1380
aaaaaaaaaa	aaacaaactt	ttttttccta	ggctgaagcc	cttttaagtt	ccatgcccc	1440
ccctccgaaa	aacccccggg	ggaagccgta	actttccctg	ccacctggag	gggcatttgt	1500
ctgcctgtct	atccctgggg	gggggcctct	aaatacagag	gggtaaatag	agccacatgc	1560
acggtcctta	ccgttttttt	tggngcagtt	cttaccattt	cctgaacaat	aaaatggg	1618

<210> 4959
 <211> 2384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (332)...(1831)
 <223> similar to gi2662364 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4959

agacaacttg	atagccacag	ccctttgtct	ttctggcagc	gggtctcagt	ctgatttgaa	60
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ggatgtggcc	agcacagcag	gagaggaggg	ggacacaagc	cttcgggaga	gcctccatcc	120
agtcactcgg	tctcttaagg	caggggtgcca	tactaagcag	cttgccctcca	ggaattgctc	180
tgaagagaaa	tccccacaaa	cctccatcct	aaaggaaggt	aacagggaca	caagcttgga	240
tttccgacct	gtagtgtctc	cagcaaatgg	ggttgaagga	gtccgagtgg	atcaggatga	300
tgatcaagat	agctcttccc	tgaagctttc	tcagaacatt	gctgtacaga	ctgactttaa	360
gacagctgat	tcagaggtaa	acacagatca	agatattgaa	aagaatttgg	ataaaatgat	420
gacagagaga	accctgttga	aagagcgtaa	ccaggaggtc	ctggacaaac	agaggcaagt	480
ggagaatcag	ctccaagtgc	aattaaagca	gcttcagcaa	aggagagaag	aggaaatgaa	540
gaatcaccag	gagatattaa	aggctattca	ggatgtgaca	ataaagcggg	aagaaaacaaa	600
gaagaagata	gagaaaagaga	agaaggagtt	tttgcagaag	gagcaggatc	tgaaagctga	660
aattgagaag	ctttgtgaga	agggcagaag	agaggtgtgg	gaaatggaac	tggatagact	720
caagaatcag	gatggcgaaa	taaataggaa	cattatggaa	gagactgaac	gggcctggaa	780
ggcagagatc	ttatcactag	agagccggaa	agagtactg	gtactgaaac	tagaagaagc	840
agaaaaagag	gcagaattgc	accttactta	cctcaagtca	actcccccaa	cactggagac	900
agttcgttcc	aaacaggagt	gggagacgag	actgaatgga	gttcggataa	tgaaaaagaa	960
tgttcgtgac	caatttaata	gtcatatcca	gttagtgagg	aacggagcca	agctgagcag	1020
ccttcctcaa	atccctactc	ccactttacc	tccaccccca	tcagagacag	acttcatgct	1080
tcagggtgtt	caacccagtc	cctctctggc	tctcggatg	cccttctcca	ttgggcaggt	1140
cacaatgccc	atggttatgc	ccagtgcaga	tccccgctcc	ttgtctttcc	caatcctgaa	1200
ccctgccctt	tcccagccca	gccagccttc	ctcacccctt	cctggctccc	atggcagaaa	1260
tagccctggc	ttgggttccc	ttgtcagccc	ccacggtcca	cacatgcccc	cagccgcctc	1320
catcccacct	ccccaggct	tgggcggagt	taaggcttct	gctgaaactc	cccggcccca	1380
accagtagac	aaactggaga	agatcctgga	gaagctgctg	acccggttcc	cacagtgcaa	1440
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ggcagcaagt	actcagccac	ttggtcgcat	ccgggccttg	ttccctgctc	cactggccca	1620
aatcagtagc	ccaatgttct	tgcttctgct	ccaagtttca	tatcctggaa	ggtcttcaca	1680
tgctccagcc	acctgtaagc	tatgtctaata	gtgccagaaa	ctcgtccagc	ccagtgaagt	1740
gcatccaatg	gcgtgtaccc	atgtattgca	caaggagtgt	atcaaatctt	gggcccagac	1800
caacacaaa	gacactgtc	ccttttgtcc	aactcttaaa	tgacggacct	gactggggag	1860
gaagaagaag	agaaactgat	gtgaacagga	agcgcgggtt	caagatttct	aaaactctat	1920
atttatacag	tgacatatac	tcatgccatg	tacattttta	ttatataggt	aatgtgtgta	1980
tagaaaagtct	gtattccaat	gttcgtaaat	gaaactatgt	atattatgca	gaaacagtct	2040
gttccccctc	atcttgcaat	tcctttgggg	gatgcagatt	gtagggaaga	tgatgttttag	2100
tttggccttg	aaattatgat	atccctgccc	agggctgttt	tcaaatataa	tataaaaacc	2160
acctaggaac	ctgctgttgc	tctaaggcca	ttctgctttg	gtttggctca	gcctctagtc	2220
catttcctta	aggctcatgt	atgcagattt	aaagcctggt	gctcacccac	tgtccaacca	2280
gatgccttgc	ttaccgaaag	cctccagaag	cctcagtatt	gttttagcca	ctctactcca	2340
aatggataaa	atgagactct	gattgagaaa	aaaaaagtaa	aaaa		2384

<210> 4960
 <211> 1695
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1696)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1312)...(667)

<223> similar to gi3875410 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4960

tttttttttt	ttgcaacctt	gaattttat	tttattgaaa	cacagtacag	aaaacaccaa	60
acgtcactcg	acagcagtga	gctcatagct	gtaatggagt	tggccccaga	tgccaaacca	120
cctctgctga	ggtgtgactt	cctctggagg	gtgacatgg	caaggaaagg	gaaggtgttc	180
tctgtcaaat	tcagagacca	tgtgcacctc	caacaaaatc	acactcccta	caagttccag	240
tgtgccccca	gtgggcaccc	cgtgggcaca	tctttgacaa	tggggaagg	gttaacggga	300
agtaggtggg	gggacatcca	acccaatgg	ggcacatacc	caggaatggg	aatgtaggct	360
gctgagtctt	cttggagaag	aagagagagc	tatgcccaca	gttcagcttg	tggggcccct	420
gagacaagg	cccacagtgt	gcggagagga	ttccaaagga	ggaggaggat	ggtgacatgg	480
acagtgactc	tggggctg	ggccacgatg	tggcaaaaat	ggagcagctg	ggtggaggca	540
agatgagggg	ctgaggagt	gaaagacacc	agaatggggc	agggagagca	attccactca	600
gagtggagca	gggaacagcc	agcatattag	ggccaagacc	cggtcagcca	gcttcaaccc	660
cttcacacgc	aggatgagct	catggaggtt	gatctgccat	aagttgaagg	cctcgctgaa	720
agagatctgg	gtccttctga	agaatgaaca	ggtattcttc	ttcttgctg	cagctagcgc	780
tctgatgcag	caacgtgaca	tgttgagaaa	ggagctggcg	ctggcgcg	tgcccagggc	840
ggcctcaatg	ccacgcagca	ggtcggttgg	cttcaagatg	agcagcatct	ggcgcgccac	900
gtggttgagg	agatggctga	tctgggggag	gtagttggcc	gcgttggtgc	gaatctctaa	960
gtcctcagtg	gcagtgacgg	gagcttggct	gatgcctctg	tgaccgagt	cccacgatcg	1020
cgccgtcagc	atgcaggcaa	acaaggggta	gagatccccg	gctcccagtc	gctggctgta	1080
ctccttcaact	ctccttcatgt	cagtccagat	cagagactgc	cagaggtggc	agtaattcag	1140
gcggaattct	tccgtgagca	tctggtaaag	cccatgggtcc	aacaggacaa	tctccgcctt	1200
tcccgtgccg	gggtgcttcc	gcaccagtac	attgccgggg	tggggatcgc	agtgcacgaa	1260
gccattgacg	aagatcatct	cactatacat	cttgcccagg	tggcgtgaga	tctgaaagag	1320
aagaggggca	ggtgggagct	cctctccact	cacatctatc	cgagggacct	ctgtctggtc	1380
tctcaatgtg	gtcactttta	aggggaggcc	agagaaaatc	ggtgggccgg	agcggttgtg	1440
gtgggagtga	ttggttgaga	tgacatact	tttaggttta	agatttctta	actttagctg	1500
caccttagaa	tcataaaacc	atgtgggcgg	tacaaggcac	cagtattttt	taaagttcga	1560
ggtgacgtga	acatgggatt	aggtaggaga	actgcactct	ccacctccca	caccgcgcc	1620
ccgacttgtc	ccccatttct	ctcccctcgt	gccaagcttg	gcgtagttat	ctaatagcgt	1680
tttcaatnng	cccc					1695

<210> 4961

<211> 958

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (961)...(156)

<223> similar to gi4680229 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4961

ttcgtgccgc	aatacattta	ttatttttatc	acatattttac	attccagtag	gcagcctgtc	60
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ccccgtcca acaaggccct ttggtcctca ctggtcggcc tgctccagac cccaggtgc 120
aggcgcgtgt ccggagtcga ggctccgcga tgctcagacgt tcagcaggag gggccggtgc 180
tctcgtctg cagcgtcgct gggaggaatt tcataaatga caaacaggga ggagtacagg 240
cagcccagga aggacacgag gctggagaag tacatcacc cgttggcact gcccacggcc 300
gaggtcaggg gccccaggac cagggagacc agaattctgag ccaggaagta ctggcagctc 360
agcagagaga tgtccacgcc catgccccgc cgggtgccgt ccgactgga ccctgcaaac 420
ttcttactct gatagtaatc gcagagcagc gagtaaggca aggtgcacag ggtggaaaat 480
aaaatcccgt aggttatgca gagcgacagg accacgtaga ggttcctgga gaggggtggca 540
agcccgttcc ccaggccgaa ggcgagatag gcgatgaagt agaggggtgcg gacgctgagg 600
aactcctcca gcttctccag gatagctgag tagaaggcag cactgaaggc gtagatacac 660
atgccccagc agcccatggt cagcccgctg ttgtacttct gatacgctc tgatgtgtgc 720
ggggccttgg ggtccccctg aaacaccacc tcgccatga agtctgtgta gaagagcaac 780
atccccctga atgagagcca cccaggaag tggttgacgc agaggggtgcg tagcgcttg 840
ggcatgttgc agatggtgga gcagaggcgc cccacggaca gaggtgctc cgcgcgctcg 900
ctggagcccc tcagctcgct ctcatacttc acgccgttga gcaggatatt ggccaccc 958

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<210> 4962
<211> 1004
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)...(684)
<223> similar to gi4884435 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4962
aaatgcttac gccaaagcttg gcacgagget ccctccagct tagctttcac ccggtgggtgt 60
tcccgggagg agagggcgga gggcgagggg aacttgcacc gaagcatcac tcgagacccc 120
aaacctccag gcctgaggcc cagccagcgc ccaatggatg acaaaaagaa gaaacggagt 180
cccaagccct gcctggccca gccagcccag gccccaggca cactacggag ggtccctgtg 240
cctaccagcc acagcggtc cttggcccta ggacttctc atctgccatc cccaagcag 300
cgggccaagt tcaagagagt aggcaaagag aagtgcgcgc cagtcctggc tggaggtgga 360
agcggctctg caggcacgcc cctgcagcac tccttctctga ccgaggtgac tgatgtctat 420
gagatggagg ggggactcct gaacctgctc aatgatttcc actctggccg gctgcaggcc 480
ttcgggaagg aatgctcctt tgagcagctg gagcacgttc gggagatgca ggagaagcta 540
gcccggctgc acttcagcct ggatgtgtgt ggggaggagg aggacgatga agaggaagag 600
gatggggtca ctgaggggct gccagaggag cagaagaaga caatggctga ccgtaacctg 660
gaccagctgc ttagcaatct gggttcatgt ctgggtgctt tgggttcttg gggcatgagg 720
ggtggagaag gtacatactc ccaaagccat tcctgggccc tgggtgaaaa ggtgggagtg 780
catggatcca agagctctgg gcccctcaac ctccccagaa gatagcccc agagcattgg 840
ggatttggcc tggttcccct cctaacagaa gcctcccttt ttctctttgt tggcagctgg 900
aagacctcag taattctatg taccctttcc aaggaaccgc tctatgtgtg tgtgttcttg 960
agaggtcagt ttctccccc gcgtccgcgg acgcgtgggt cgac 1004

```

<210> 4963
 <211> 1490
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(1493)
 <223> similar to gi3702137 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4963

aagtctggga	agttgacgag	cagatagatc	actacaagga	aagccaagac	aaatttctgt	60
ggcaagctgc	attcataggc	aaggaaacac	tgaaggatga	aagtgggtcaa	gaatgtaaaa	120
tatgtagaaa	aatcatttat	ctcaacacag	actttgtttc	tgtaaaacaa	agactcccta	180
aatattattc	atgggaaagg	tgttcaaaac	atcattttaa	ctttcttggt	caaaatagaa	240
gctatgtaag	aaagaaagat	gatggatgta	aggcatattg	gaaagtatgc	ctccattata	300
atcttcataa	agctcaacct	gcagagagat	tttttgaccc	taatcaacga	gggaaagccc	360
tccaccaaaa	gcaagccctt	agaaaaagtc	agagaagtca	aactggggag	aaactctaca	420
aatgtactga	atgtggaaaa	gtgtttatcc	agaaagcaaa	cttagttgta	catcaaagaa	480
ctcacaccgg	agagaaacct	tatgaatgct	gcgaatgtgc	aaaagccttc	agccagaagt	540
caaccctcat	agcacaccag	agaactcaca	caggggagaa	gccctatgaa	tgcagtgaat	600
gtggaaaaac	ctttatccag	aagtcaactc	tgattaaaca	tcaacgaact	catacaggag	660
agaaaccatt	tgtatgtgac	aaatgtccaa	aagcctttta	gagttcatat	catcttatta	720
gacatgaaaa	aacacacatt	agacaagcat	tttataaagg	tattaaatgt	actacgtcca	780
gccttatata	tcaaagaatt	cacacaagtg	agaaacctca	gtgcagtgaa	catgggaaag	840
cctctgtag	gaagcccagt	cccactaaac	attggagaac	tcatacaaaa	gagaacattt	900
atgagtgtag	taaatgtggg	aaaagcttca	gaggaaagtc	acacctctct	gttcatcaga	960
gaattcatac	aggagagaaa	ccctatgaat	gtagtatatg	tgggaagact	ttcagtggaa	1020
agtcacacct	ctctgtccat	catagaactc	atacaggaga	gaaaccttat	gaatgcagaa	1080
gatgtgggaa	agcctttggg	gagaagtcaa	cccttattgt	acatcagaga	atgcatacag	1140
gagagaaacc	ctataaatgc	aacgaatgtg	ggaaagcctt	tagtgagaag	tcaccactga	1200
ttaaacaatca	gagaattcat	acaggagaga	gaccctatga	atgcactgac	tgtaaaaaag	1260
ccttcagtag	gaagtcaact	ctcatcaaac	atcagagaat	tcatacagga	gaaaaacctt	1320
acaaatgtag	tgaatgtggg	aaggccttca	gtgtgaaatc	aactctcatt	gtgcatcaca	1380
gaactcatac	aggagagaaa	ccttatgaat	gcagagactg	tgggaaagca	ttcagtggga	1440
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<210> 4964
 <211> 956
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (13)...(927)
 <223> similar to gi289412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4964
aacgccgccc atggctacaa ctggggcctc tgggtgcatgt acatcatccc cccgcaggac    60
tggtctggacc gcggcgacga gtcagcacc atcaggaccc cagccatgat cggctgctcc    120
ttcgtagtgg acccgagta cttcgggagac attgggctgc tggaccccg catggagggtg    180
tatggcgggc agaacgtaaa actgggcatg aggggtgtggc agtgtggcg cagcatggag    240
gtgctgccct gctcccgcgt ggcccacatc gagcgacca ggaagcccta caacaacgac    300
attgactact atgccaagcg caacgccctg cgcgccgcg aggtgtggat ggatgacttc    360
aagtcccacg tgtacatggc ctggaacatc cccatgtcga acccaggggt ggacttcggg    420
gacgtgtctg agaggctggc cctgcgtcag aggtgaagt gtcgcagctt caagtggtag    480
ctggagaacg tgtaccggga gatgagggtc tacaacaaca cctcacgta cggagagggtg    540
agaaacagca aagccagtgc ctactgtctg gaccaggag cggaggacgg cgaccgggcg    600
atcctctacc cctgccacgg gatgtcctcc cagctggtgc ggtacagcg tgacggcctg    660
ctgcagctgg ggctctggg ctccacagcc ttcttgctg actccaagt tctggtggat    720
gacggcacgg gccgcatgcc caccctgaag aagtgtgagg atgtggcgcg gccaacacag    780
cggctgtggg acttcacca gagtggcccc attgtgagcc gggccacggg ccgctgcctg    840
gaggtggaga tgtccaaaga tgccaacttt gggtccggc tgggtgtaca gaggtgctcg    900
gggcagaagt ggatgatcag aaactggatc aaacacgcac ggcactgacc ccacct    956

```

```

<210> 4965
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (858)...(342)
<223> similar to gi5360129 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4965
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ccagctgtgt gtctcggatc ttgttctgca gcagaatcag cttttcctca tactggtgct    120
tgagcgtctg caaccgcgc tggtgtttct ccagctcgtc gatcagcttc tgcttgattt    180
cgatctcaca agtcaggctg gccaggctcg cctggaagtt cacctccttc tcctcgggggt    240
ctgagtctga gtccaccagg ctctcttcac tgcccagatc ctcatcttca tcctcgcgcc    300
cttcctctct ctccacagca ctctcgtctc gctcttcttc ctctcctcc gcctcgttct    360
catcgtctct ctgctgttct tcctgttgga gttttgcct ctttttgaag gcttcttct    420
cggggctctt cctcgcgtgc ctgacctct tcttctttag ccgctccagg tcctgcttgg    480
ccctgcggat cacctccgag gcatcctcca tggagctggc agggctgcc ccgaaggccg    540
gggcggctgg agaagcacc agggagtagg ggctcctagc cgaggcccg gagaggctgc    600
ggcgcaggga ctgcttcatg gcttactct ctagaagctt agtccgtagc tcctcgatct    660
cccgatgta gttctggatc agcgcaccaa tggcctcatt gccatcgccg gccttggtta    720
gcagcagggt ggctcctg ctcatgagct ggggtgacgg gttgttgatg gcatcgatgg    780
cctcctgcat ggctttcacc cgcagccgca gggccccatt ctcttctgt agcatggcat    840
tctctcgga cagat    855

```


<210> 4966
 <211> 1666
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1667)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1666)...(786)
 <223> similar to gi806570 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4966

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gaagcccagg	gccagagggg	ggtggaagcc	gggtagacgg	acatgtcttg	cccaaagcgc	180
atnatgacca	gagagccagg	cctgcataca	gtagttggag	gcatggggca	gaaagcactc	240
ccctccctcg	agcactcacc	tcacctccag	gggcaaacc	cagcaagaga	cgcacccagt	300
ggttttccag	cccacaggag	gccctgccct	cattggcccc	ctctctcctt	tctgatttgg	360
gcccactgt	cgccgtggag	cctgggcca	aggcactttt	ggaaacacgg	atgccagtgg	420
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agccccggaa	ggagccccct	gaaggccact	actggcaggg	cagtgtcccag	tggcatctct	540
cttctcttct	gttctcttgg	ttggtgcagc	tgccaatctg	atgccagaca	gacacccaaa	600
ggtgtggaag	ggtattgcat	ctcttgga	gttcacagtc	tgtccgggtc	ctgccattcc	660
ctcctcctcc	tgagagcagc	acgttgcata	tgaaaaacgt	cccatccagg	atgcaatgta	720
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atgccagca	gtaccagcag	cactgccagc	cccacaccca	gcgagacggc	caccagggg	1260
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ttacgggcac	agtcgctgac	gtggagttca	cagtagggtg	ccgtgaatcc	aggacggcag	1560
cggcacatgc	ggcttggaac	tcggttcagg	cactgtcccc	cgttggcaca	ggggttgctg	1620
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<210> 4967
 <211> 6506

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (6509)...(246)
 <223> similar to gi2224591 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4967

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ttcctccaac	ctcagaccaa	ccacttttctt	ttcacaagct	cagaccttcc	aaatatttta	180
aaaatgaata	aatgttaa	accaactttc	actattacag	aaaggggcag	ctagaaaagt	240
ttactctgtg	cacaagactg	cgacaccccc	ctcgtagaag	ctgcgaggat	cctcctttgt	300
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taaggttacc	acactggcct	tcttctcggt	gtttgtctgc	ttgacccagc	gcagctgcgt	420
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atactgcctg	gtggcagtg	tgtacgcctc	aggcacgaac	aggccaccca	ggcacacgtg	660
gatgttcttt	agctccttgg	cgccaccaga	tgcagctgcc	agtgagatgt	tctgcagctg	720
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gttgatttca	tcacagaaca	acaccagcca	ctttccaagt	tgaacaggag	ccaaaaccac	6240
cccattaggt	gtgcgctgt	actcgagta	gtgatcaaaa	gtcttcagaa	gcagctctgg	6300
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<210> 4968

<211> 7061

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (7062)...(1105)

<223> similar to gi3327054 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4968

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<210> 4969

<211> 1173

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1174)...(952)

<223> similar to gi3002527 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<210> 4970
 <211> 4413
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(4012)
 <223> similar to gi6014482 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 <211> 1489
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (354)...(1087)
 <223> similar to gi861392 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4971
 ggggaacaga ggaacattaa tggccagagg aacaccgtcc cgctgagaga gtgacgcgga 60
 agcaggcaag ctcccttgcc cctccacact ggtgcctgtg aaggtcctag gctctactgt 120
 tcctttgtct catttacccc catggccctg gtgctcagca caatccatgt ccagccctta 180
 ttaggtgttt caggaagtgt ttggatgcag aggggtctgca cagggagtca agcctgggga 240
 gagggaggaa ggtgaggggtg gcacgggtcag ggctggggag cccgatgggtc ggggtcttac 300
 tcccagggat gtcctgagca gtgacgggct tgttcttaca ggcgctgac ccgctggccc 360
 tggaaggcac ggacgtgggg cagacaaagg cagcccaggc ccttgccaag ctaccatca 420
 cctccaaccc ggagatgacc ttccctggcg agcggatcta tgaggtgggtc cgccccctcg 480
 tctccctggt gcacctcaac tgctcaggcc tgcagaactt cgaggcgctc atggccctaa 540
 caaacctggc tgggatcagc gagaggctcc ggcagaagat cctgaaggag aaggctgtgc 600
 ccatgataga aggtacatg tttgaggagc atgagatgat ccgccgggca gccacggagt 660
 gcatgtgtaa cttggccatg agcaaggagg tgcaggacct ctctgaagcc cagggcaatg 720
 accgactgaa gctgctggtg ctgtacagtg gagaggatga tgagctgcta cagcgggagc 780
 ctgccggggg cttggccatg cttacctcca tgcggccccc gctctgcagc cgcattcccc 840
 aagtgaccac aacttggtg gagatcctgc aggcctgct tctgagctcc aaccaggagc 900
 tgcagcaccg ggggtgctgtg gtggtgctga acatgggtgga ggccctcgagg gagattgcca 960
 gcaccctgat ggagagtgag atgatggaga tcttgtcagt gctagctaag ggtgaccaca 1020
 gccctgtcac aagggtgctg gcagcctgcc tggacaaagc agtgggaatat gggcttatcc 1080
 aacccaacca agatggagag tgaggggggtt gtccctgggc ccaaggctca tgcacacgct 1140
 acctattgtg gcacggagag taaggacgga agcagctttg gctggtggtg gctggcatgc 1200
 ccaatactct tgcacctcct cgcttgctgc cctaggatgt cctctgttct gactcagcgg 1260
 ccacgttcag tcacacagcc ctgcttgccc agcactgcct gcagcctcac tcagaggggc 1320
 cctttttctg tactactgta gtcagctggg aatggggaag gtgcatccca acacagcctg 1380
 tggatcctgg ggcactctgga agggcgacac catcagcagc ctcaccagct gtgagcctgc 1440
 tatcaggcct gcccctccaa taaaagtgtg tagaactcca aaaaaaaaaa 1489

<210> 4972
 <211> 887
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (227)...(373)
 <223> similar to gi5726241 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4972
cacaatttca gctcactgca gcctccgcct cccagggttcg ggtgattttc ctgcctcagt    60
ctccagagtg gctgggattg cgggcgcccc ccaccacgcc cggctgggtt ttggtatggg    120
tagtggggac ggggttttcgc catgttgacc aggctgggtct tgaactactg acctcgggcg    180
atccgcctga ctcagcctcc catagtgccg gcattacagg cgtgagccac cgcctggcat    240
ggtgcagaag ctggatacct accaggagta caaggaggct gcgtcctctt accaggaagc    300
ctggagcaca ctccggaagc aggtgttttg atcctggatc agaaacccac cggattatca    360
ccagttcaag tgagaaggaa atgtttgctc tggtagcagg acccttcac cagaactgcc    420
ttcctccacg caggacaagt cttagctttt ttggtagtta aatcaggga cattctttct    480
gagctttgca tctctgttgt gtaatacaga tggaaatctg aacttagagc aagctatact    540
tgattgaagt agctctctgc taaaatggca tctcactaat gacctacta tctgacttcc    600
attgtgtttt attgcttctc taaaatatga aatcagagtt tggaaatga tgctttgaaa    660
gtactctgca gcagctctgt tttatgggtt cctacattga ttcagcaa atttattgag    720
ctgaaatgat gtttgacgct ctgcaagttt tacagctttg cctagcatag cgaacatata    780
ttttgtattc ccagcctttc tttcttcagg gagccattct tttccattc ttcagtgatc    840
ctgctctgtg cctcagactt ggctgaagggt aaccttactc cctggct                887

```

```

<210> 4973
<211> 2550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2156)
<223> similar to gi473522 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters -

```

```

<400> 4973
gatggcgcg gagctatacc acgaagagtt cgcccgggcg ggcaagcagg cggggctgca    60
ggtctggagg attgagaagc tggagctggt gcccggtgcc cagagcgctc acggcgactt    120
ctacgtcggg gatgcctacc tgggtgctgca cacggccaag acgagccgag gcttcaccta    180
ccacctgcac ttctgggtcg gtaaggagtg tccccaggat gaaagcacag ctgctgccat    240
cttcaactgt cagatggatg actatttggg tggcaagcca gtgcagaata gagaacttca    300
aggatatgag tctaataact ttgttagcta tttcaaaggc ggtctgaaat acaaggctgg    360
aggcgtggca tctggattaa atcatgttct tacgaacgac ctgacagcca agaggctcct    420
acatgtgaag ggtcgttagag tggtagagac cacagaagtt ccccttagct gggacagttt    480
caacaagggg gactgcttca tcattgacct tggcacgaa atttatcagt ggtgtggttc    540
ctcgtgcaac aaatatgaac gtctgaaggc aaaccaggta gctactggca ttcgggtacaa    600
tgaaaggaaa ggaaggtctg aactaattgt cgtggaagaa ggaagtgaac cctcagaact    660
tataaaggta ttgggggaaa agccagagct tccagatgga ggtgatgat atgacattat    720
agcagacata agtaacagga aaatggctaa actatacatg gtttcagatg caagtggctc    780
catgagagtg actgtggtgg cagaagaaaa ccccttctca atggcaatgc tgctgtctga    840
agaatgcttt attttgacc acggggctgc caaacaatt ttcgtatgga aaggtaaaga    900
tgctaattcc caagagagga aggtctgcaat gaagacagct gaagaatttc tacagcaa at    960
gaattattcc aagaataccc agattcaagt tcttcagaa ggaggtgaaa caccaatctt    1020
caaacagttt ttaaggact ggagagataa agatcagagt gatggcttcg ggaaagttaa    1080
tgtcacagag aaagtggctc aaataaaaca aattcccttt gatgcctcaa aattacacag    1140

```

```

ttctccgcag atggcagccc agcacaatat ggtggatgat ggttctggca aagtggagat 1200
ttggcgtgta gaaaacaatg gtaggatcca agttgaccaa aactcatatg gtgaattcta 1260
tggtgggtgac tgctacatca tactctacac ctatcccaga ggacagatta tctacacgtg 1320
gcaaggagca aatgccacac gagatgagct gacaacatct gcgttcctga ctgttcagtt 1380
ggatcgggtcc cttggaggac aggctgtgca gatccgagtc tccaaggca aagagcctgt 1440
tcacctactg agtttgttca aagacaaaacc gctcattatt tacaagaatg gaacatcaaa 1500
gaaaggagggt caggcacctg ctccccctac acgcctcttt caagtccgga gaaacctggc 1560
atctatcacc agaattgtgg aggttgatgt tgatgcaaat tcaactgaatt ctaacgatgt 1620
ttttgtcctg aaactgccac aaaatagtgg ctacatctgg gtaggaaaag gtgctagcca 1680
ggaggaggag aaaggagcag agtatgtagc aagtgtccta aagtgcaaaa ccttaaggat 1740
ccaagaaggc gaggagccag aggagttctg ggaattccct tgggagggaa aaaaagactt 1800
accagacctc tcaccactac tggaaaccca ggctgaagac catccacctc ggctttacgg 1860
ctgctctaac aaaactggaa gatttgttat tgaagagatt ccaggagagt tcaccaggga 1920
tgatttagct gaagatgatg tcatgttact agatgcttgg gaacagatat ttatttggat 1980
tggcaaagat gctaataaag ttgagaaaaa agaattctctg aagtctgcca aaatgtacct 2040
tgagacagac ctttctggaa gagacaagag gacaccaatt gtcatcataa aacaggggcca 2100
tgagccaccc acattcacag gctggttcct gggctgggat tccagcaagt ggtaaattgg 2160
tatttgtaaa aagcaaaaca acattacaag gcagttatct cattgctgtt ttgggagagg 2220
aacgggaaaa gctttttgct tatttgtctt ttgaaaatta aggctgggag cggtgggtca 2280
cacctgtaat cccagcactt tgagaggatg aggtaggcgg atcactgggg tcaggatttc 2340
gagaccagcc tggccaacat ggcgaaacct cgctctact aaaaatacaa aaaaattagc 2400
tgcgcgtggt ggtgcacgcc tgtagtccct gctacttggg aggttgagac aggaaaattg 2460
cttgaaccca ggaggctgag gttgcagtga gccaggattg cgccaccaca ctccagcctg 2520
ggcaacagag actctgtctc aaaaaaaaaa 2550

```

```

<210> 4974
<211> 1100
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(238)
<223> similar to gi5834580 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4974
actgaaaagg aaacttttct accctgagtg cgagataaga acgatgggtg gaagagagca 60
acgccagagc ccaggcgccc agaggacttt cttccagctt ctgctgtcct tctttgtgga 120
gagcaagctc caccaccacg ctgcttactt agtagacaac ctgtgggact gtgcagggac 180
tcagctgaag gactgggagg gtctgacaag cctgctgtcg gagaaggacc agagcacgtg 240
ccacatggag ccaggggccag ggaccttcca cctcctaggg tgaaaccagg agggattgct 300
tgcttcactt gtacaaggca ggaacggtgg catcggttgg gggaaacttg gaggtggaag 360
gtggctaata tttgattcta tgtttttgat cctcctggga ctccagacct gggtgatgtg 420
caggagagca cactgataga aatccttgtg tccagtcccc agcaactcct gcctcagcct 480
cccagagcag tgggactaca ggcgcccgcc accacgcctg gctaactttt ttgtattttt 540
ggtagagacg ggttttcacc gtgttgacca ggatggtctt gatctcttga ccttgtgatc 600
cacctgcctc atcatcccaa agtgcctggg ttacaggcgt gagccactgc gccagcatg 660
ttagacaatt ttaattcat cctctctgtg ctgttgtttt ctgagctgtg aaaggaatat 720
tctggtgggg acaaggttac agagttgctg agagggtctc atgacatgaa ggtactggcc 780

```

ttggcacagt	gcctgggggg	gcgggggactc	cgcacatgcc	tgtgatgtca	cagttactgt	840
cagttcacag	cgaaccttcc	ctccttttcc	tgttgacttt	cccacactcc	tgtaaccctc	900
cctccctccc	ttcttctct	ctctctctct	cactcacgca	cacgcacaca	cacacacaca	960
cacacactcc	attcactgtc	tccatgactc	tggagtaaac	taacgtctcg	agttgccatt	1020
ggaagcccca	ttgtcctcat	ttagactttc	atgggttata	ggcacttttg	acttctctgg	1080
gtccttcttc	agataaaaaa					1100

<210> 4975
 <211> 885
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(886)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (850)...(652)
 <223> similar to gi3659694 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4975	
tttttttttt	ttgagatgga ttgaagcgac tgccttttatt gcatagacct tttcaattgc 60
tttttagatt	ggggacggag gacgcgcatg agacgaacag gggatatgaa tttccccgcc 120
cccacccgcg	ggtagaggaa cattaggtgc aaatcctagc gccggccccg gggaacctgc 180
ccctcctggg	ctgattggcc agctaaatgg aggcaccgga gtggatgggg cgaggctgcg 240
ggccctgacc	ggccgactca ctgaggccta cccagccag tacattccag gtcctgtcat 300
tgggcgacgc	gtaaaataga ctccgccctc agccatcctg gccgggtagg agcagggtggc 360
aagcgtcagg	actgagccct gccccgtaag ggcggcccca gatcagacgc caggccccgc 420
cctcattgat	caggcactac cctcgggacg agcccatctc tctttaaccg tgacgacgcc 480
caccttccag	catcacgtct ggtcccatga aagcgagcgc aatcctgaga cggggccagg 540
gcccttgcca	ccacaactct agcagccagg ccacaccccc tagctcaggc tccgccccat 600
tggaatgtag	gccccgcccc cggcgggtac caagcttggt tagtttcagg gctcccggcc 660
cgggcagcca	ggaggcccag tgagcagtgt accgatgcca ggggtgcatct gtgcctgtag 720
cggcccatat	tccacctgct ccccgccac tgtgagcacg ccgcgtgggtg tgagcggctc 780
taggcggaag	gcacggaccg cggcgtagcc cagctgcgga cagcccaggc tgaagtggct 840
accacgtcc	gaattccncc gcactggact agggatgntc aacat 885

<210> 4976
 <211> 2467
 <212> DNA
 <213> Homo sapiens

<220>

09483735-047100

<221> misc_feature
 <222> (2463)...(1784)
 <223> similar to gi5304869 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4976

tttttttttt	ttaccactta	gattaagtta	tgaaatttat	ttatagtttt	accttatata	60
aaagccatgt	atatatcaaa	tctcactttc	ttggtaaagt	catcttatta	gaaatacaag	120
aagtgcactt	aatacaagga	agtaagtttc	tcggtgccac	caggtgaggt	ggtacataca	180
ctcacatcag	tccctcaaac	gaagggtttc	ggcagatttc	cccttccaga	cttctgagat	240
gatctgaatt	caggaaggtc	tgagtgaact	tcttccagaa	attacagtga	aacaagctga	300
ccttaacttt	tgggtcctcc	cgagaaatac	taatgaaaaa	actatttttt	tccagtgggc	360
cctgtgtttg	ctggcttctc	ggcatctgca	gctcttcacc	ggcaggcgcg	gagccccaca	420
gcagcagtgt	acaagcgcg	ggtagcactt	gcagccccat	cagagacata	tgacatcaaa	480
aaaccaacct	aaacccatat	gccttttggt	caatcagagg	ttctgctcct	acagattagg	540
ctgacagctc	ttggacttat	atztattaat	atltgtgaaa	tatgaactcc	aaggttcttg	600
agctgttcct	aaagcaagtt	tccagcaaca	gcttttatta	acaactgttc	atcttgcgat	660
gtgctgtgcc	ttatgaacga	tgtctcgta	gaacagacca	ggggtggtac	tgggtttcct	720
atagcttctc	tctgcatcta	caaagcaggt	tttcaaacac	atlttacatg	tcgaaaccag	780
tgtcataagg	aaaacatttg	tgacagaaaa	acaatgctca	gtttaatcta	agttaccaag	840
cagaaggtaa	aagaactagt	atccgctgag	tccccaaacc	tctttcttct	aattcatctg	900
aggatttttt	gtgcttctag	aacaagaatg	taggcaggct	cccaaattga	gaggtaaaca	960
tgaccgcgtt	gtttgaaact	acttcattaa	tttgtaaatc	agaaccaaaa	agctctggcc	1020
ctcccacttc	tcttagctga	ccctcctccc	cacttacgga	taaacagact	ttaacttccc	1080
taaccagaa	acacttccac	caaaaatgta	tggttatacc	ttatcctaaa	aaggcaccat	1140
gcaggcattt	aagactgaac	cagtgaactc	taagtatgta	gtagtagaaa	atatcactaa	1200
tcaaaacttc	cagcatcaga	tggtacaaaa	ccccaaagg	actggtgaca	tgtaccccg	1260
ggatggccaa	ccccagcttc	ttggcaaccc	cacaagccca	agcggggagc	ttcagctctg	1320
gtcaggtgca	cggctgccaa	agtctgcaca	ccttggggac	aaggaaagga	gacacttgct	1380
tcattgtgct	attcatgacc	cagaaaagg	cctggctggc	ttgaaggacc	cgagagacaa	1440
acactggatg	ggaggaatga	gtgtgaaaca	agaggtggag	aagctagatt	atcttccaca	1500
ggaggcgga	gaagctccag	gaagtagccg	agaaccaata	cgaactcgac	cgtgtgacaa	1560
acaaggttta	cagtagggga	agacagcttt	ggcaagagcc	caaagggaag	agaagggtg	1620
acctggggac	ccacttcccc	tgtcagaagt	gaccctgtcc	caatgccatg	gctcattttc	1680
aggtctgttg	aacaggtaag	gtacaggagt	catagatttc	acgtttaata	tgtaatggaa	1740
gctctgtaac	atgagacaga	tagcaagcac	ggactctgct	cactggtcga	tgatggagcg	1800
ctgcaacacc	tgattcatca	tgtcctcttc	atcaacatca	taatccacaa	aagtgtcata	1860
agaaaaccgg	tgccggcgct	ggatgtgctc	tctgaagttg	gcgctgcggt	agttggggtc	1920
tccccagggc	atcgaggcac	atatcgggaca	aaccacagat	ttggtatccg	tgctatggaa	1980
taatttgcag	tgttccacaa	gtccttcctg	atcaaagttc	ttctcaggac	agtaaggaca	2040
aggaaagggtg	taacggtttg	gaacattcct	tggtgaaga	gatgcacctt	taatggtggc	2100
cttcacacct	tccatgatgt	aattctggta	tttggaaaca	gtagccacgt	gggaccggat	2160
cttggacagg	aagaaattct	tacggcagcc	atggcaagaa	gtctctgtgc	tctcgatctg	2220
ccgctcgagc	tccacggctc	ggacggcagg	tgccagagcg	ctgcgacaca	ccccacagac	2280
aggcttcttc	ggcttcagac	attcctgcag	gcatgcagag	caaaagacgt	gtccgcaggg	2340
cacctgtacc	ggcttctcgt	acacctctaa	gcacacggga	cacgtgaagc	gtcctagggg	2400
gtcagcctcc	gccgcccggc	ccgccagctg	cgcagcacc	ccgcagtc	gctgttgccg	2460
cacgaaa						2467

<210> 4977

<211> 1010
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1011)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (19)...(120)
 <223> similar to gi5930071 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4977

cttcttcttt	ttaacctcag	gttaacccca	aagattgtct	tttcttgagg	tgaaatcagg	60
aacatctctt	tcaatgacaa	aaagtttgtc	attaaaccca	tcgacaagaa	ggcacctgta	120
agttccaaag	gattctattc	aggggctact	actttttcat	tcttatactt	gtcagggtaa	180
cggacaagtt	atactgtgac	gagtagccag	tgatagtcca	aactcctcat	gaggttacat	240
tgagggccag	agatcctgtg	ggccaggcaa	ttgctgcagg	ggagaccact	taacttttca	300
aatgattctc	attccttatg	aagaaaaggg	cagttctgag	ccattggcca	aatgataagc	360
atttcccaaa	atgctgtgtt	tttggtgtgg	agagccagcc	tgtccccttg	accacctggg	420
tgcagggact	ctccccggca	cctgacggac	agtgggacct	gcgagtctca	agggccagat	480
ttgcctttca	gagctgtcct	ggaacttacc	caagataggg	acagtcagac	ttgcacccaa	540
gcattgctgg	tgcccaaggt	ttcatcgggg	cttcacccac	ttctgttgtc	agaggtgtgc	600
atcctcacac	aggtgacact	ggcaggcagt	cattttggga	ggacatggta	agaaggcgac	660
acttttatgtc	ctgaaatctg	atagtattga	ttgtaatagc	tgcaaagacc	agtgcattat	720
gtaaatttgg	ttttatttat	tcttctgaca	tttaaacttt	tgtaactca	gaatatttga	780
gacatacgca	cataactgta	gcattgtaga	atgggtaagg	attttggtat	ctaatacagaa	840
atctagttct	ctaaaaaaat	tgccacctga	aggaaattct	gttaccacct	taggagcctg	900
ttctggaatt	ttacgaaaat	tataggatgg	ggaaagggac	ttttgtgttc	ctccatgggtt	960
antttttgtt	nccctagggt	accagtgttt	aagccttggg	gggagggcca		1010

<210> 4978
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (927)...(556)
 <223> similar to gi4584796 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4978

ttttttatca	ttgacaatgt	ttattatcaa	gaaactttag	gtttttttaa	agaatgctcg	60
------------	------------	------------	------------	------------	------------	----

ttttagaata	caccaagagg	acactctgtg	acaggacata	tacaaacaag	gataattaaa	120
atattaaata	ctatctaaat	taaaagacca	taattcaaat	tgctaattat	aatattttgtg	180
tcggtagaaa	taactatagt	tccccttcat	gaaattcacc	cccacgttct	catgaagact	240
atgacgtctc	accacaatth	cagttattth	atttacaata	atcaatgctg	agttttctgt	300
gctgaagcat	gcactgttac	agaaagcaca	aaatcctatt	tacagggatt	tttagttttc	360
tttaaaatgt	atctcaagca	tctttttaaag	tgcgagctac	aaataggttg	tatccttaat	420
gaaaaaggct	tctttctaaa	agaagtatga	gatagctatc	caatactgca	ggaacagtta	480
tataactaac	cgaaggaacc	agcagcactc	tgctaactct	gttttagtgt	agcaacctcc	540
ttcttggtgt	tctactacca	gccaaacatg	tactccattg	ctttggatac	aagactttca	600
tctttttttg	gcgtttgtct	gtcagaaata	acctgataat	cactagtaga	ggctttgtat	660
gctgtagcaa	gaggtctcat	ggtagaaatc	ctaggagtac	ttccaggttg	tgttggtgta	720
cctagagttt	tgattggtgg	tgtaaaggct	aaagatggag	atgataaagc	acatctgtca	780
ctgctttcca	taacactttt	gtcaatacat	ggtttttacac	caatcatgat	ggattctcca	840
aaaatcctcc	catctttgct	taaggctttc	cgagcctgca	gttttagattg	ataacgaata	900
tgcatccaat	ttcctgtatt	agacatctgc	aaagaataaa	gctgtctcgt	aaaatagaaa	960
atatataaaa	tctgcctcta	atgaattcta	ctagaaaata	g		1001

<210> 4979
 <211> 2745
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2747)...(1928)
 <223> similar to gi574804 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4979	
tttttttttt	ttcaaatgta ggttgtttta ttgtaaatgt catcaaaatc cagaacagca 60
gaaacatatt	aatcagtttg aaatttttag aatccttttag cacttgaaaa agagtattac 120
aaatgcatct	atatcacata gaaagtcagc gaatacaaac tagacaagca ggacatagtt 180
cttttctggc	attccaggat aataagaata tttatcaatt aaaaggtcaa tatctgtctt 240
cctgaaataa	ctccaaacct gagtcaacac acattctttt cggattgggt ctgactggcg 300
taagaagaga	aatacagcat tttgtttttt attttgttta tctaatacaca gggaaggata 360
aacaaagggc	aaaagtgaga gaaaaagtta gatgtccttg aatttttttt tttagtgggt 420
gctactgcat	ttcatgtttc atttttgtta gatcatatac attagaaaag aatgatacat 480
tttagagaag	aaatatgtac atacatagta tcagaaataa ttttcttgta ttgattcatt 540
taatatgggt	gtgcttata tcaatcagaa ggtcaactcc tttgctctaa ggttcttaca 600
ctgctaacaa	gaaatggctt ttttctgtgt gcaggtcatg agcagcacac agtgtccttt 660
ctaggcacat	aggatcatcg atcactgtgt ggacgcaggc taatcagaat tgcacctgaa 720
atcacttgtg	caattagtga tgcaagagtg atcacaggaa tcaagactgg gagccaagag 780
aaagaacaag	aggtgcacaa agaagcagtt cggatgggag accaggaaaag ctgaggggaa 840
aactgggaaa	cagattctgg aaaactcaca gtttgtttga taccagggt taagagatgg 900
gactttgata	ggagtgggtg ttatgaatta agggaggaag aaagaggtga gatcctaattg 960
ttggtaaagg	tacagagaca aaggagacca accaagtggg aagaaaactta gaaatggaaa 1020
gtaaaaatga	gacttaattc tttagtcagg gaagccaagc caccaggaaa acttggtaaa 1080
gagtaagaga	aagagggaga aaatatgaga taatattttg ggtatttttg tataactagg 1140
ggaacaaaaa	tattattcct atagtataaa aaggaacaaa gtaaagcaat atggatctat 1200
tgggattccc	tattccacca atgaaaatta tcaacaata atttgtctct caggcaatgc 1260

tactagaagt	tacttatata	gttgccttat	tgttcattta	atttcagttt	aactgaagcg	1320
attttgcctt	tttcttccct	tctacgtggt	cactctgctg	ttcaaagggt	aagcaccatt	1380
tgttcaggta	aagcaattgg	tgtttgaaat	ccttccgata	gatacgccat	ctcagagggc	1440
tgctaataata	actaaactgta	caagacacac	ataatttttag	gttggccatt	cttgtgtata	1500
ggggtaatct	aaagctagta	gttacacccc	acaaaagaaa	ataaattctt	atgacctctt	1560
tgatcccacc	tgaaatatct	cacaataaac	aaacaaataa	ataataagca	aacaaaaaca	1620
aacagtagcc	ttccccagtt	gcagggggcct	aaaatatctc	ctaattctgaa	tttcgtctca	1680
ggacaggaaa	ctattccata	ggcttcctcg	caggcttctg	tgctggagtt	tgtcccactg	1740
actttggttg	tccatctctc	tacaagaagg	gaacattctg	aaacttagtt	taaatactac	1800
taggccttag	aatcttttgt	aggtagttgc	tgaaacttga	agttgaataa	tactttgaag	1860
tactatgtta	cattgcatta	tgaaaacctt	catttttgta	gctgtctctt	gatctgcccc	1920
acatgtcaca	caaatataga	agaaacggaa	tctgcaatac	cacaaacatt	acttcccatt	1980
ttgacatggg	cataaccatc	tactcccca	gaacttcccc	aggaattccg	cacaatccaa	2040
tatggagtgc	ttcctgtttt	atcaaacc	gttatgagaa	ctgcatgatt	tgcttctcca	2100
ctagagcagt	gatgctgtat	aatgcctccc	agataatctt	gccagctcac	tgcatctact	2160
atgactacca	aaggggccaaa	ggtaagaagt	gcttttgcca	tttcatcttc	ttgggtcactg	2220
aagtcatatg	cagaataaacc	tttgattgaa	aatccagaat	gtgaaccaga	aaagtaatgg	2280
cacagaccat	tttgtgcttt	aaaaggatat	tctgaatctt	tcaccagttt	tacttgcatac	2340
ttgtttaacc	agttcaaagc	attgagagta	gagcctccat	tgacagccata	attattatac	2400
gaacagtcaa	tgacctgctg	gacacttagg	tcttccaggg	gcttccccctt	tattgcataa	2460
gcagattcca	ctgccccccac	cacgctgaag	gccagcctac	ctccacacat	ctgctgggtt	2520
ctcacttggtg	tcacaacctg	cttgtccctc	cagtcaaatac	ttaacggcaa	agacacattg	2580
gggatggaca	tatgtacttc	tgctgagtat	ctgggaaact	tggaagggtt	gcttcttaaa	2640
taaatggctt	taaactcttc	aggaaacaaa	taggaaact	gatttattcc	atagaaggcg	2700
gtggagtttt	cactgggaaa	taaagaattc	aagtatcgat	gtcta		2745

<210> 4980

<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (42)...(951)

<223> similar to gi3979818 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4980

ggaaagtaac	aggcaacgag	atgctggggc	tcgaggaggg	ggaccttgaa	gacgacttcg	60
accctgcccc	gcacgaccag	ctcatgcaga	agtgccttgg	ggacgagtag	tacggggccg	120
tggaggaggga	gaagccacaa	tttgagggaag	aagaagggt	tgaagacgac	tggaaactggg	180
acacgtggga	cgggcctgag	caggaggagg	actggagcca	gcaggagctg	cactgtgagg	240
accccaactt	caacatggac	gccgactacg	acccagcca	gccgagggaag	aaaaagcgcg	300
aggccccctt	gacgggcaag	aagaagcgca	agtcgccctt	cgccgcggcc	gtggggcagg	360
agaagcccgt	gttcgaacct	ggggacaaga	cgctcgagga	gtacctggat	gagtattacc	420
ggctggacta	cgaggacatc	atcgacgacc	tgccctgtcg	cttcaagtac	cgcacagtgg	480
tgccctgtga	ctttggcctc	agcactgagg	agatcctcgc	tgctgacgat	aaggagctga	540
accggtgggtg	ctccctaaag	aagacctgca	tgtacaggtc	agagcaggag	gagctgcggg	600
acaagcgggc	gtacagccag	aaggcccaga	actcatggaa	aaagcggcag	gtcttcaagt	660
cactctgccg	agaagaggca	gagacacctg	cgggaagccac	aggggaagcca	cagagagatg	720


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aagccggccc acagaggcag ctgccagccc ttgatggcag cttgatgggg ccggagagtc 780
ccccagcaca ggaagaggaa gccctgtat caccacaaa gaagccagcc cccagaagc 840
ggaggagggc caagaaggca cggctgctgg gcccactgt gatgcttggg ggatgagagt 900
tcagccgcca gagactgcag gcctttggcc tcaaccccaa acggctgcac ttccgccagc 960
tgggccggca gcggaggaaa caacaggggc ccaagaacag ctcttgagca ccaggggagca 1020
ggcagggggc tcaggctcct ctctcaaat caagccctgg acagggtctcg caccacaaag 1080
tactatctgc tgcagagatc ctctcatctg tggccaggca cgctgtaat cccagcactt 1140
tgggaggccg aggtgaaaag atcacttgag cccaggaatt ggagaccagc gtgggcaact 1200
tagcgagact ccatctctac aaaatgtggg gacacatgcc tgtagtccca gctactcagg 1260
aggctgggga aggaagatca cttaaggcca tgagtttgag gctacagaga gctatgattg 1320
caccactgca ctccagcctg ggcaacaaag caagaccctg tctcttgaaa aaaaaaa 1377

```

```

<210> 4981
<211> 1175
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (171)...(377)
<223> similar to gi3876146 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4981
cacctcagcc tcccaagggtg ctgggattac aggcgtgagc cactgcgccc ggcctatgag 60
tcagttttat atgtggtggc tctacaggag ggcccagccc cttagtgttg aggggaggac 120
accgaaagta agctgttcac tacttacttc tttaactttt acttgattta gttctgaaaa 180
ctcgaatcca aaccctcaag aaaggcctgg gcgaggacat gtacagtggg atcaccgact 240
gtgccaggaa actctggatt caggaggggac catctgcctt catgaaaggc gctggctgcc 300
gggcactggt catagcacct ctctttggga ttgctcaagg ggtctatttt attgggattg 360
gagagcgcat cttaaagtgt tttgactaga cagagctgga ggtcaagtcc ctgcgcttgc 420
cgccctctct ctagtgttt cacttagcct agagggggca agggcagggtg gggccactct 480
ggcctgcctg gtcctctgcg ttgtagtgct acctcaatct cgggagaaac agccctatat 540
tctaacaagt tgagcacagc cttcttcccc ttctgtgcta cactcgtttt cctttgtggg 600
cacagctacc aggggctttt ggaagccctt aaccacctac ttttcaacaa aaatggtact 660
ttcgttgtat taattgcagg accttaacag gtagtcacaa tagaagggtt gtttctgtat 720
tttaacattt ctatttcaca gtcaaactcg gcattcttca gtcagcttga ggatttagca 780
ttgttaatct tggactccat aacttatgag tcctagcact gatthttgagg aaaaggagga 840
tcagaagttc aagggaccgt gaaagccctc agagtcagca cctagtttga gaccaagcac 900
cctttcgaat cctgggatgg ctgagggggc tgaggccggc tctgactggg cagctcagcc 960
cctccccag agcccagggt ctgacacacc cctccctgta accaaggaac actctgaaat 1020
aaaggtgaat ggctaaaatc tcatctgttc atcagtggtt acagcagata ggctgcagt 1080
aatgctatca ccatctactt ttctacgtcc atttcaaaac caaacattaa aaagggcata 1140
gaagcagacc cccgtcactc ttcaaactga tactt 1175

```

<210> 4982

<211> 791
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(448)
 <223> similar to gi6015436 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4982
 ctggaaggac aatggagcac cagctgagaa gctcatcggt ggattcccta cctatggaca 60
 caacttcata ctgagcaacc cctccaacac tggaattggg gccccacact ctggtgctgg 120
 tctgtctggg ccctatgcca aggagtctgg gatctgggct tactacgaga tctgtacctt 180
 cctgaaaaat ggagccactc agggatggga tgccctcag gaagtgcctt atgcctatca 240
 gggcaatgtg tgggttggct atgacaacat caagagcttc gatattaagg ctcaatggct 300
 taagcacaac aaatttggag gcgccatggg ctgggccatt gatctggatg acttcaactg 360
 cactttctgc aaccagggca agtttccctt aatctccacc ctgaagaagg ccctcggcct 420
 gcagagtgc aagttgcacgg ctccagctca gccattgag ccaataactg ctgctcccag 480
 tggcagcggg aacgggagcg ggagtagcag ctctggaggc agctcgggag gcagtggatt 540
 ctgtgctgtc agagccaacg gcctctaccc cgtggcaaat aacagaaatg ccttctggca 600
 ctgcgtgaat ggagtcacgt accagcagaa ctgccaggcc gggcttgtct tcgacaccag 660
 ctgtgattgc tgcaactggg cataaacctg acctggtcta tattccctag agttccagtc 720
 tcttttgctt aggacatgtt gccctacct aaagtctgc aataaaatca gcagtcaaac 780
 caaaaaaaaa a 791

<210> 4983
 <211> 739
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(337)
 <223> similar to gi310100 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4983
 agatagctcg ctgttgtttt tgcttcagtc ctggtggaga ggacactgaa gagcagcagc 60
 cggggaagga gggaccacgg gtcatttatg acgagaagaa aggcaccgtc tacatctact 120
 cctacttcca cttcgtgttc ttccatagctt ccctgtatgt gatgatgacc gtcaccaact 180
 ggttcaacta cgaaagtgcc aacatcgaga gcttcttcag cgggagctgg tccatcttct 240
 gggcgaagat ggcctcctgc tggatatgag tgctgttgta cctgtgtacg ctggtcgctc 300
 ccctctgctg cccaccccg gaggttctctg tgtgatgata tcggcggtcc cctgggcttt 360
 gtgggcctac agcctggaaa gtgccatctt ttgaacagtg tccccggggc agggactggc 420
 gccctgtgcc tgagtgggtc tgaaaaagct ttgagagaga aaaaaaaaaa tctcctgatt 480
 agctttttac ttttgaaatt caaaaagaaa ctaccagttt gtcccaaagg aattgaaatt 540

ttcaacaaaa	ctgatcatgg	ttgaaatata	ttaccacctag	gaactggata	ccagtttatgt	600
tgacttcctt	ctgcatgttt	ttgccaaaaac	agaatttggg	gcacagcatc	ttttcacagg	660
gataaaaaaa	tcttgtgggg	ccagtcattc	ttatcctcgg	aataaaaaaa	catcgccata	720
atthttgagtt	cccaacgcg					739

<210> 4984
 <211> 1212
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1213)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1152)...(465)
 <223> similar to gil438534 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4984					
tttttttttt	tttggaaaag	agaaaagtaaa	gatattccta	attcagagcc	aaaggtagac	60
agcagctgtt	ggcgggaggg	cacctagaga	tttatcaagg	acgcgccacc	ccaccaggag	120
cccctcttga	tcaccaagtg	ctttatcttc	caagtagtaa	gtcaatcaag	aggtttctaa	180
agataatcca	tttttgataa	attagaatgg	aaacagtgtc	tctataatat	acatacaaaa	240
gtgtcccagt	tttcaactgt	gagcaacaca	ggtgcacaga	ccagggtgtca	gcgcaggaac	300
ccgacggcag	gcatgctgat	gccccccatt	tcccgccact	cccgcacagct	ccccgggcat	360
ggccccgatt	cccgccactc	ccgacagctc	cccgggcatg	gccccgattc	ccgccactcc	420
cgacagctcc	ccgggcatag	cccgtgattg	cctggcctca	gccctcggcc	ccctgcgtgg	480
gcggctcctc	cccggcctct	ggtttcttgt	gcctgcgcat	gtgcctgtac	ttgtccacgt	540
acgccttcac	cagggttgcc	accttcacgg	ggttgatctc	tccactcttg	ctgtggcaga	600
tcttctgcac	ggccttgccg	aggatgtcct	tgtactcctc	cttggtcacc	tccctcttct	660
ggtagaaggg	cttgatggcc	agcttcacct	cctccacagc	acgctcctgc	atgtgcagct	720
tcttcatgta	ctcctccttc	ttggttttct	ccgcagctag	cctggggggcc	ggggtcttct	780
cctccgagtt	gctggctgca	gtggcttgac	tggctggctc	tgaggctggg	gtcagggcag	840
cgggcactgg	ggccagggtc	tgtgctgccc	cacagcccac	tagcggcagg	ctccccctgaa	900
ggatgaactg	gaccgtgggc	tggctgacca	gtgcgcaggg	tgggatgctt	gagggtctgg	960
ccggggcagg	cggcaggccg	gggctgtaaa	cctgagaggg	gtctgtgtct	gggaaccctg	1020
gttccggaag	cacgtgactg	ggaaagggca	gctcggagaa	cgctgcctg	accctgtgtg	1080
ggggcacatc	ctccatgtcc	caggctcctt	ctcggggctt	ctgtggcctg	tgaagtgggtg	1140
cccctggggg	cccgcacagac	agggaggtgg	gaatacggcc	actcgagacg	gtgatcgagg	1200
cnnnnagctc	cc					1212

<210> 4985
 <211> 2299

09483735-013100

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (4)...(1871)
 <223> similar to gi5430747 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4985

```

gggtttcaga aagtgccttc tctctgtgga catgaggatt ggattagagg agtggaatgg      60
gcagcctttg gtagagatct tttgctagca agctgttcac aagattgcct gataagaata      120
tggaagctgt atataaagtc aacatcttta gaaactcagg atgacgataa cataagactg      180
aaagaaaata cttttacat agaaaatgaa agtggtaaaa tagcatttgc tgttactctg      240
gagacagtgc tagccggtca tgaaaactgg gtaaattgcag ttacttgcca acctgtgttt      300
taciaaagat gtgtcctaca gcagccagtg agattattat ctgcttccat ggataaaacc      360
atgattctct gggctccaga tgaagagtca ggagtttggc tagaacaggt tcgagtaggt      420
gaagtaggtg ggaatacttt gggattttat gattgccagt tcaatgaaga tggctccatg      480
atcattgctc atgctttcca cggagcgttg cacttttggg aacagaatac agttaaccca      540
agagagtggg ctccagagat tgtcatttca ggacactttg atggtgtcca agacctagtc      600
tgggatccag aaggagaatt tattatcact gttggtactg atcagacaac tagacttttt      660
gtcccatgga agagaaaaga ccaatcacag gtgacttggc atgaaattgc aaggcctcag      720
atacatgggt atgacctgaa atgtttggca atgattaatc ggtttcagtt tgtatctgga      780
gcagatgaaa aagttcttcg ggttttttct gcacctcgga attttgtgga aaatttttgt      840
gccattacag gacaatcact gaatcatgtg ctctgtaatc aagatagtga tcttccagaa      900
ggagccactg tccctgcatt gggattatca aataaagctg tctttcaggg agatatagct      960
gtcagcctt ctgctgaaga ggagctgtta actagtactg gttttgagta tcagcaggtg     1020
gcctttcagc cctccatact tactgagcct cccactgagg atcatcttct gcagaatact     1080
ttgtggcctg aagttcaaaa actatatggg cacggttatg aaatattttg tgttacttgt     1140
aacagttcaa agactctgct tgcctcagct tgtaaggcag ctaagaaaga gcatgcagct     1200
atcattcttt ggaacactac atcttggaaa cagggtgcaga atttagtttt ccacagtttg     1260
acagtcacgc agatggcctt ctcaccta atgagaagttct tactagctgt ttccagagat     1320
cgaacctggg cattgtggaa aaagcaggat acaatctcac ctgagttcga gccagttttt     1380
agtctttttg ccttcaccaa caaaattact tctgtgcaca gtagaattat ttggtcttgt     1440
gattggagtc ctgacagcaa gtatttcttc actgggagtc gagacaaaaa ggtggttgtc     1500
tggggtgagt ggcactccac tgatgactgt attgagcaca acattggccc ctgctcctca     1560
gtcctggacg tgggtggggc tgtgacagct gtcagcgtct gccagtgct ccaccttct     1620
caacgatacg tggttcagat aggattggag tgtggaaaga tttgcttata tacctggaaa     1680
aagactgatc aagttccaga aataaatgac tggaccact gtgtagaaac aagtcaaagc     1740
caaagtcata cactggctat cagaaaatta tgctggaaga attgcagtgg aaaaactgaa     1800
cagaaggaag cagaaggtgc tgagtgggta cactttgcaa gctgtggtga agatcacact     1860
gtgaagatac acagagtcaa taaatgtgca ctgtaatgga cttaataact acatgcttgc     1920
agtcaactgg atcttaaaat attatcatgt aaacaggtca tctttacctt cataactgaa     1980
ttgagtttct ggggtttttt ttttttggaa agggagtttg gttttgccac accctcccc     2040
tcccaggtta aagcaatttt ttttttcac cctcctgaga agcgggaact aaaggcccc     2100
cccctgcccg ggttaatttt ggttttttaa gaaaaaacgg ggtttcaccg tgggcccggg     2160
gggtttaaaa ctctcgtct aagggaatcg gtggcctcg ccctcccaa gggcggaat     2220
aacgggcggg acccctgcc cccacctga gttctttttt ttaagcccaa agcgagagcc     2280
cttatttcag ggctaaacg

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<210> 4986
 <211> 1094
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (969)...(718)
 <223> similar to gi9451 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4986
 gaaaaccgga ggagcaattg gggatccagg tgtcagaggt aggggaacca ggggcaagct 60
 ggggctgagc tggaggtggg gatgagagca ggtgtgggga cagcaatacc cccttggggg 120
 tcacctctct gcttcccccc tccccagget tcagttcctt ccccttgacc ctgactcctt 180
 gaacgtcact gaaaacggca gctattgcaa ggagtggggg ccgcgggcag ccgctcttca 240
 gctcgcggcc caggggagtg gcgaggggcg ccccaacccc ctgcccgcct ctccgcacaa 300
 tacttgaaca ttcactctgta ctgaagtgtt acttgaaccg ggggaatctc ggacctgggg 360
 gagccggggg gtgaggggac tggaccagct tggactgaga cctgagaccg ggccggtggg 420
 cgcccatttg ggactgcgcc acccccaggc ttgttcttgt tttactgtat tgagcggcgg 480
 caccgcgcgg acccgcatta tggctggggg cgccagccca agaatgggga ccatgggact 540
 cctccagcct ggctcttccc actctttcat cgtcatggaa acttgtatcc catttgccca 600
 gggaactgcc actcctgggt gccatggaaa tagcagccaa cggacacctc ccgatgccag 660
 tgctaaggct ggaaatggcc ccctcttagt tgccatggga acctagtaac agactctgct 720
 ggccctcctt ccctgcccc tctcgagcg cggggtgggg cttcgggacc ccggggatga 780
 gccgggccag gtcccgcgcc tccgcgcagg cctccggggg ggccgggggt taccatgtag 840
 gggaggggag atctatccac atacctcagg taacagggag gtgcgcgggt ggggggaggg 900
 ctgggcggac caaaggccgg aggggtgggg cctggggata gcgagaggct tgagaatggg 960
 gccgcttggg ggaggggaaga ggcagcccgg cgaggggcaa gcgggggacc cagccgggct 1020
 gggcccctgg gcccggggtc tgtacaatac ggtttgctat aaaactcaaa atcttccagc 1080
 cgggaaaaaa aaaa 1094

<210> 4987
 <211> 2632
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2309)...(1375)
 <223> similar to gi2062609 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4987
 tttttttttt ttaggtgtaa aaatacagct tttattctga gacattgacc ttactagag 60
 tgggacctgt ggccccagcc tggctggaga agcagtccca gggcctgagt gacaccattt 120
 ccctttcctg aaataggaac aagttattcc aaaggagaaa ggagagccca gagagatctg 180

tacaggacct	ctcttgacaca	tggtgactgg	aggcagaggg	tggggagctg	gagaggagtc	240
cagtcctcc	aacaaatatt	gagggcttca	aagagctctt	cctggacgtt	tctcttaatc	300
tggatttaaa	agggacagga	ggtatcttag	ggtccaagaa	cataacagga	atgggcaact	360
ctagaagtgt	ttgtgtgtgg	aaggccctaa	cctggccctg	tcctccctgt	ctctaccttt	420
ggctttcatg	aagagagatt	cacagctcag	aggaagggag	gaatttctcc	agtcttcact	480
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cctgggaaca	agatcttggt	gactttcttg	ggaatctcct	aagagataag	tgctttgtgt	600
cggagacaag	ttcaggtaaa	ccaaccaagg	cagtgcctcc	cacagtcaaa	gagagaagct	660
ggagggccaa	agcctataga	gttgggcact	acagctgctc	atgctgcaga	ggagacagct	720
agtcaggaac	cctggagatt	caagacaact	tgctggtccc	ctttgcccag	ggctgtggtc	780
ctaatacag	tccttcacct	ttcccagggt	tagcctgtgt	ttcaaagtca	tatgatctgc	840
gctgagagga	caacaggggg	tcaggaacct	ggggttctct	ggggggcaga	ctaagacgac	900
tccgggatcc	agacccttct	gcaccttcag	atgggagctc	caggcagcta	agggggccgag	960
gagaatgggg	agagatcatg	ctacaagggg	aggttctggg	gatgaggcag	taatccccac	1020
cctcagtaca	ggtctggggt	cgccgaactc	cttgagcctc	agtcctttgg	cgggtcccggg	1080
ctagggccac	agcagcatca	aaggaaagac	tacccccatt	cctccaagag	gatcgagaag	1140
ctcgggaccc	ccaagccctt	tctccaggag	tcccatcaag	ccggccaggc	ctcgggcatg	1200
gatttgcagg	tgccacatga	atcttgctac	acattgcaact	gggcatcttg	gcaaactgtg	1260
gcttgggggg	caccacaggc	acagagcgga	cctgttggac	ctgaaccaga	gtggaagcta	1320
gacgcatgcc	cacgccaccc	aggccaagag	aacaggggca	tagacagccg	tctggactgg	1380
gctgcccctc	aggctccatc	tcctctggct	gaggtggctg	tggggctacc	tcttccatct	1440
cagaagagtg	aggattgccc	tctttggcac	agtcaacctc	cagggacgct	acacctgaac	1500
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cccatttctc	ctcagcaact	tgatcttctt	gggccccttg	ctctaggctc	cttccagctt	1800
ctacctgggc	ttcctctctt	tgttcatcct	cttctctctc	aatttctttt	tccttctcat	1860
ctgtatactc	atctcctcct	ggttccctca	cacctttagc	ctccatactg	tcagccttct	1920
tctgaccttt	ggacttctct	tccttggcct	ctgtctcttc	cctactccct	tctctcaatc	1980
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cagcatgctt	gtcctcccca	acttcccagc	atgcctgctc	ttccccaccc	tgtcccagag	2160
cctgccttcc	acatcctgct	gcctcgccct	ccagactccc	tgaaccttcc	cagattgggg	2220
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ccacctgagg	cccaactccc	aggagctcct	ccaggtagcc	catcccaggg	tcgtcctccc	2460
caggggagaa	ggctgctcct	gctgcttctg	cctgggccac	ctccccatcc	tctgccccca	2520
cccactcagg	ttctgagctg	cttgagtcct	ctaggaagga	gaaggagtcc	tgcacctcct	2580
gggacagcga	gtcctccagg	gcaggagcca	agtcgtctgg	gcctgagtct	gc	2632

<210> 4988

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (837)...(122)

<223> similar to gi4176443 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

cacacgctgg	ccgcctgccc	caggggtgttt	ccagaagaga	aatttaatct	aatttacata	720
cttctaggta	catcgataac	caaaatgtgg	ccactgaaaa	aagttaaaaag	gtcaatcagc	780
tcctggcttc	tagctggccc	aggattgcaa	aataaaaaaga	tccacgttcc	ttatttctcta	840
cacaaaaacgc	gttttttaaaa	aagtgaagg	tctagggagc	tatacataga	aagcaacagt	900
gaaaagggag	agggagcagg	agtgggggag	gagagtccca	cccccaacc	ccaccctcca	960
gggccccaga	gcccctgagg	ctctttgggg	ggccttgaca	tggcaggagg	cagctgtcag	1020
ctctgagctc	ttcccagctg	ggaaggcccc	tctcgggggc	agccaacaag	gatttccgtg	1080
gcattgtggg	ctcagtgggg	ggctcccagg	ccccagcagg	ccccacagag	ggagcgtggc	1140
ttcccctgag	caagcaccgt	ggcatgatgt	ggtcgttcaa	cccaggaact	gggggtccgg	1200
ggcaggtccc	gggtctcacg	aggtgcgtgt	tgtgtgtgtt	cgcatgtaca	tgtgtgtgag	1260
aggatattca	tgggggagag	agggaaaccag	aacaggggtc	tttggggctc	ttgcaaattg	1320
ccacggatgg	cagacatcgc	cctgcctggc	tgctagacgg	gggagtgtct	tcctcccctg	1380
tgaccagacc	ggctgccatc	agagacctgg	ctgctgcccc	tgctggacca	ggtgggcatg	1440
ggctgaagga	agacaccctg	tggccccaga	gtcctcgggc	tgggggaagg	gcagctagct	1500
ggctcccggc	gccctggctg	tagtgtgtccc	ggcccccaag	gggcgccggt	ttgaggtttt	1560
ggcttgtctc	tttgaaaacg	gaaagaaaga	ggaagaggga	cgaggacaca	gaggaggaag	1620
aagaggagac	agaggtggca	cgagagggga	tctggaatgc	ttttgtgtta	gggagcctct	1680
gccgccgctg	tctgtgcctg	cggggcctgg	gactcctcag	gtgggggggtc	cgctttggag	1740
aagttcatct	ccaggatgtg	ccgctgtaag	tgccgcaccc	actcttcctg	gatggagagg	1800
gggccctgga	attccacctc	acagaacctg	catgggggaa	cagagagagg	gagtggccag	1860
tgctgtgagg	agaggcggaa	gcatagcctt	gccagcatcc	ctgggcacac	ctgctgtctac	1920
tcagtgtgga	cagagccagc	ccaggaggcg	ggggaagagg	gaccagaag	tcaggcgttt	1980
cccatggaca	gccacctcca	ctcaccatgg	ggcatgga	gggtctcaca	gagaccctg	2040
cctctgtgct	cagaagtcac	tggtgccagg	taagggctac	tggcttcag	gtaccctgc	2100
catctggcag	atacatagaa	tctgagacag	tagagggcac	agagaagcaa	atcctaccaa	2160
acgcaccaag	cccccgctct	cctgcctccc	gtcgaccg	caattccggn	ccggtggggc	2220
nggcggagac	taatcaatgg	gttttcaat				2249

<210> 4990

<211> 933

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(678)

<223> similar to gi2618752 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4990

gcggccgcgg	cttcgcctac	cccagcgagc	tcaaggccca	cgaagtgaag	catgagagtg	60
gccgctgccca	tgtctgcgtc	gagtgcggcc	tggacttctc	cacctgacc	cagctcaagc	120
gccacctggc	ctcccaccag	ggccccaccc	tctaccagtg	cctcgagtgt	gacaagtcct	180
tccactaccg	cagccagttg	cagaaccaca	tgtctcaagca	ccagaacgtg	cgacccttcg	240
tgtgcactga	atgcggcatg	gagttcagcc	agattcacca	cctcaagcag	cactccctca	300
cccacaaggg	cgtgaaggag	ttcaagtgcg	aggtgtgtgg	ccgggagttc	accctacagg	360
cgaacatgaa	gcggcacatg	ctgatccaca	ccagcgtccg	gccctaccag	tgccacatct	420
gcttcaagac	ctttgtacag	aagcagactc	tcaagaccca	catgattgta	cactcgcccg	480
tgaagccatt	caaattgcaag	gtgtgcggga	agtccttcaa	ccgcatgtac	aacctgctgg	540
gccacatgca	cctgcacgcc	ggcagcaagc	ccttcaagtg	cccctactgc	tccagcaagt	600

ttaatctcaa	gggcaacctg	agccggcaca	tgaagggtcaa	gcatggcgctc	atggacatcg	660
gcctggacag	ccaaggtggg	tgggccaagc	gcaatggaca	gagcaggaat	gataccaaca	720
tgacgcactc	aggagcctcc	tgcccagtta	gaggagtggg	gaggctggcc	aaggctgaga	780
cttcgttggg	gtgggctcag	gtctggaagg	gggtaccct	ggaaggccat	gatgacaata	840
acgatgggat	atztatgtct	tcttcaaagg	acttaaata	gatcacgtaa	acaatataat	900
aaaaatcata	actaacat	attgagtgct	aaa			933

<210> 4991
 <211> 1935
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1198)
 <223> similar to gi726403 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4991						
gaggagatca	tcgcctctt	catttccatc	acgtttgtgc	tggatgccgt	caaaggcacg	60
gttaaaatct	tctggaagta	ctactatggg	cattacttgg	acgactatca	cacaaaaagg	120
acttcatccc	ttgtcagcct	gtcaggcctc	ggcgccagcc	tcaacgccag	cctccacact	180
gccctcaatg	ccagcttcct	cgccagcccc	acggagctgc	cctcggccac	acactcaggc	240
caggcgaccg	ccgtgctcag	cctcctcatc	atgctgggca	cgctctggct	gggctacacc	300
ctctaccaat	tcaagaagag	cccctacctg	cacctctgcg	tgcgagagat	cctgtccgac	360
tgcgccttgc	ccatcgcggt	gctcgcttcc	tccctcatca	gctcccatgg	cttcgaggaa	420
atcgagatga	gcaagttccg	ctacaacccc	agcgagagcc	cctttgcatg	ggcgagatcc	480
cagtcgctgt	ccctgagggc	cgctcagcgt	gccatggggc	tcggcttccct	gctgtccatg	540
ctcttcttca	tcgagcagaa	cttgggtggc	gccttgggtga	atgcaccgga	gaacaggctg	600
gtgaagggca	ctgcctacca	ctgggacctc	ctgctcctcg	ccatcatcaa	cacagggtcg	660
tctctgtttg	ggctgccttg	gatccatgcc	gcctaccccc	actccccgct	gcacgtgcga	720
gccctggcct	tagtgaggga	gcgtgtggag	aacggacaca	tctatgacac	gattgtgaac	780
gtgaaggaga	cgcggtgac	ctcgctgggc	gccagcgctc	tgggtggcct	gtccctgttg	840
ctgctgccgg	tcccgccttca	gtggatcccc	aagcccgtgc	tctatggcct	cttcctctac	900
atcgcgctca	cctccctcga	tggcaaccag	ctcgccagc	gcgtggccct	gctgctcaag	960
gagcagactg	cgtaccccc	gacacactac	atccggaggg	tgccccagag	gaagatccac	1020
tacttcacgg	gcctgcagg	gcttcagctg	ctgctgctgt	gtgccttcgg	catgagctcc	1080
ctgccctaca	tgaagatgat	ctttcccctc	atcatgatcg	ccatgatccc	catccgctat	1140
atcctgctgc	cccgaatcat	tgaagccaag	tacttggatg	tcatggacgc	tgagcacagg	1200
ccttgactgg	cagaccctgc	ccacgcccc	ttcgccagcc	ctccacgtcc	tcccaggctg	1260
gctctggagc	tgtgagggga	ggtgtagggt	tgtgggtgac	tgctctgtgc	tgcgccttct	1320
catggctgac	tcaggcctgg	ggcatctggg	cattgtaggg	gtgcagtggg	atgtgcccac	1380
ccctctccca	ttatccttta	gctttaggcc	aagagcgctg	ctcaggggag	cttctgcccc	1440
gggtgggtgg	gactgagcag	gatggatttt	cttttgataa	aagagtcgat	gcctgaaaga	1500
gaaaccattt	ccttgattgt	gtaaggaaact	tgtctggacg	acattagaga	ataaagctcc	1560
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ctgtgggtctg	tcacctccaa	cgctgcacag	tgggtgctgg	cccaacagtg	aaacatggaa	1740
gatccaggag	gccttcgcat	ggccatttct	ccagggaact	gcagggaag	cgttctggga	1800
acagcatgtg	caagggtccg	gaggagcgag	ggcttggggc	cactgaggcg	ctgtggctgg	1860

```
tgaagagcag tggggcgga gggaccatcc gggtagacagc aaagggccct gtgccggacg 1920
cgtgggtcga cacgg 1935
```

```
<210> 4992
<211> 928
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (684)...(563)
<223> similar to gi3687497 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 4992
taaaaagtcag aactcattta aagaacttta agggatcctt tagaaacatt ttactttaat 60
ttcaaatgag tgggctgagc atgtagacta gcagcttttt atcaaaccctg gcattgtcag 120
gttgaactta taaatacgaa taattactac tctgacttgt aaatgtagct gctaaagtat 180
gaggatatatt taagaagaat agattagttt cattatacct ataagaacaa gaattcaaaa 240
gtgaggtagt catccagggt cccctccca caatatTTTT gtatcataaa atttagatga 300
cttttttggg ttacattttt atccatatat tttgaactaa cagaacttgg cagaatgtgt 360
gttgaatatt ctttacattt aacaattaaa aacaactaaa actgaatagc aaatagttta 420
ttggtaagta cacggtttca acgggagtaa taaattcaca tgaaaaggag acaataatca 480
agtcaaaaaga ataaatgctt actaatcatc agaaaatctg tggccattag ggctggcacg 540
taaaaatcca aaatcactca gagggcaaatt cttaaagaag attcgtcctc ttattagtcc 600
atatggaata ggtccatagc acctggaatc tgtagaattc tgtagattgt caccttctaa 660
ccaaacatga cccattggca cctagaatta gagaaagaaat gcagcctctt aaagataaaa 720
cctaatttgg gtactataat taaaaagcat gtcattcaga ggtagggaga aatgtcctaa 780
ggctctcttt tatagaatag atacaaatcc taatattgca tttttgcttt tatttcttgc 840
acaataactt ttactaaata tcaaaggttt caactttttt aaaaacctat catctttttt 900
tgtccgaacg cgtgggcgga cgcgtggg 928
```

```
<210> 4993
<211> 3675
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (3676)...(1630)
<223> similar to gi2072501 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400>	4993					
tttctctgcc	tttctatctt	ctttactatg	aattctgaat	aaaatggaga	acacactctc	60
aatatgtaga	aaaataaaaat	tttggcaaaa	caataattac	tgtttttctg	tatgtactta	120
gcagtgaat	atttataggc	aacagatttt	aagaagtcag	ttccatggct	attaaaaaat	180
gtttaagtta	atgaaattta	cagtgcata	taaaagcatg	atacaaatgg	aaatttaaaa	240
ttttgtatta	ggaagcccag	cttgctaaaa	gtagcattaa	tatcattcac	atcagatttt	300
aatttggtac	acatttttgt	agttcagcaa	aggcccctat	gatgaaaaac	aattaaaaag	360
tgttatgaca	aaaataatta	tctcgtgtaa	aaagggggag	acccaaaaga	tttttcatat	420
ggttatttaa	ttcagttaaa	tagaactggt	atgaatttga	gaggaatgaa	gatattcaaa	480
cactaacaga	aaatcattag	ccttatatta	gagcattcaa	atgcttatgt	aactcttcaa	540
tccatccggg	cttccataaa	aaccaaaatt	ttgaacacaa	aaaagtggca	gagtttacat	600
taccttttgt	atgttcctaa	gtatgaaatt	gcatacaatt	attatgaatt	aaatttgaaa	660
agcatcacag	atttaaaaaac	aaagtacaaa	agaagcttga	ttctttttta	ttccacaaat	720
acctagcatc	tcaaagtaac	atgtaacaaa	acttctatgc	tgctcaatga	atccttccaa	780
tttcgataat	aaactaaata	gtattggatt	tagtatatga	ctttcatggg	taagtattgg	840
ttctatccat	tactttaaca	atattactga	tgtaacagag	aaaaattttc	cactattgta	900
tttattttaa	acaaactgac	aagttcaagc	acctgttttc	agaaaagccc	agcagcattt	960
tttttttttt	aacatactca	aagtaagatt	tggcctaagc	ccttaatacc	tttctgaaca	1020
gccatgcaac	taaacaccct	caggagatgt	tacataaggg	agagaagaac	atggagcaat	1080
ttgcactttt	tcccctagat	aatattaaca	aggtaaagca	aatccagatc	tttatgaatg	1140
aatggctgtc	atgtttaata	cacttgagac	tctataaaa	tagagccact	atcatatatg	1200
tttatataga	tatatatgta	tttttaataa	agtctctcac	ttgcttcaaa	atttaaggat	1260
gatctttttc	ctggtcagtc	atttcaaggg	aacaataaat	aaagtagaaa	aggatgaact	1320
gttttgcata	tttctgtgga	agaacggaaa	acatactttg	agaggttcgg	aaaattcact	1380
gtacagaatg	aacagcttat	atacactatc	tgtgcaattt	ttcttggtctg	gggtatttaa	1440
atgcaagagc	tcctccaaaa	taagaagcca	cattcattct	tgcccaaatc	cctctgtctc	1500
ttctattgca	aaaagaagtt	tttccttttag	ttgttcataa	ctcttatatg	gtggtagatc	1560
caagcgatta	aaacatgtat	ggcttcttgg	taaccaagtg	tctttgccaa	ctttttcaat	1620
gcaaaacttt	tgaggcccat	tacttcccat	gagctcagca	aatcctccta	gaggtaaacy	1680
gcaggttcca	gtgacgaact	gcaatagtcg	cattcttact	tcattgtctg	tctctttcac	1740
aaactgcca	aaccaaatga	tttgcttgct	gtttcttgta	taatgtcgat	aaacagtatt	1800
tctctgcca	tctgccaagt	caacctcctg	catgccacac	aacataacct	ctaattcttt	1860
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atctttgttc	tcctcagtc	ccagaatatt	ggaacctccc	aacttcaggt	catgtgaagt	2040
aacttttccc	aaaatctcca	tgtcaacaga	aaagtacatt	tctaagccac	attcttcaat	2100
gttggttatct	cttatccaga	taaggagatt	ataaaattca	gtatcaatag	attccaaatc	2160
cttaatatga	agttttttac	ttaacatacg	cttgtagaat	ggtaaagaga	aaccagtatc	2220
gataaacttt	ccatgaaata	gtgccatggc	aataaaacga	ccaatgaaac	agaagtatga	2280
aagatgggtct	ggattaatgg	ttgatgctgg	atttatctgc	agacaatagt	tggtcttgcc	2340
cgcatactca	aataagcaat	acattgggtt	caaaacttca	tgtgaaagca	agaaaaacca	2400
ttctctcgct	aggccaccat	aatcaagtc	ttcttctcct	ctaaatatta	catataagcg	2460
cctcctcaag	tcataggggt	ttaatgccat	aatctgttgg	aaggaatctt	caaacaatgt	2520
ctgccgggac	acattgatct	ttacatgact	aggtagtgca	ttagactggc	acaaataacy	2580
gaagtgaaga	agcttccacc	taaagccg	ttcataagca	atttgtggac	cacctttagt	2640
tacagatgac	ttcccattgc	gaggatcttt	gaatgttgtt	gttcttgtgt	tatgatcaac	2700
aaagtacctt	acaccttcac	gagtatatct	aatttcccag	ccttctggca	gggtttcttc	2760
attctgtaag	ccttgagttc	ttggatcttc	ccactgggtt	gtttttgtgt	tatgattcac	2820
aaagtaaacc	ctgtctgttg	aatccactct	tttttccag	cctgggtggc	aaggtccata	2880
agggtcattt	tctgcagcta	acattgaagc	cgaatagagg	tatcggttgg	taaactgttg	2940
catagctccc	tgcaattggg	tccgctgaga	ttgccactgt	tcaaaatttc	ggacagattc	3000
catggtaggc	cgtgcccacg	ttgttgttct	gggtttatga	tccacataat	aaactcttct	3060
acgatcatca	actcttcttt	cccaacctgg	aggtaaagg	tgtggtctct	cccatgtggg	3120
agttcgagta	ttatgatcca	cataatagg	tctacatga	ggatcttttc	tttgttccca	3180
ccctgatggc	aagggtttctg	tggtggcatt	cccagactgc	tgccgtacag	gatccataca	3240
cccatctggc	tgtcttgatt	tggtctgttc	aaaagcagaa	ctacttctag	aattagaggt	3300
gtcaggctct	aatatacttc	tagcttcaga	ttccaattct	gcactggtag	aaggaataca	3360

ttcattgttt	tctgaggaag	tcagtatttc	ttgaactgga	ggatcttcaa	cagtagtact	3420
agtgcaattt	ggagacaagg	cattttcttc	agacactact	ggagtacccg	tgacagacgc	3480
attatcagtt	ggtgcaaatg	aggatgattc	tccattaaca	gtgtcatcgg	caggctcaga	3540
tgcgagtgg	tttggagctg	gtgtattttt	gggtctggca	gcaacctgag	acggagatga	3600
aggtgtgttg	tctccattaa	ctacatacga	gcagcatgag	ttttggacta	gagtgccttg	3660
aggtacatga	ttagt					3675

<210> 4994
 <211> 2633
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2634)...(325)
 <223> similar to gi55819 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4994						
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<210> 4995
 <211> 2756
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (2734)...(1931)
 <223> similar to gill130494 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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accacatccc	actgtccaag
tccaagcagc	cctcgggaga
tcaaagaccc	ccacgctcag
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actacagcag	gtggctgctt
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cgctgaaatc	tcgggtcccat
acaggggctg	aagggccag
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tcacgtacaa	actgcacgag
cagggcagac	aagggagacg
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gcgtgttccc	aaacccccag	tagcgattcc	cctgggcccc	ttgataggag	ccgaggtcat	2640
cattcagcca	gtcttcaaaa	gccttgctccg	aggaggcggt	cacactctgc	ggctggccag	2700
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<210> 4996

<211> 1380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(1098)

<223> similar to gi3098418 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4996

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cagccgtccc	ccaggaagca	acctccactc	tgcagatgtc	gcaggctccg	cagtccccac	480
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gtgccaaaga	cagggcagtg	tctatcgaga	aagcagaaaa	gaaatgggag	gaaaaaaggc	600
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gagatgcccc	agtggacaag	gtggaacttt	cagaagattc	tccaaattcg	gaacaggact	780
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caggatgcct ataagatgtg caaggaatga ccatttcaca aaacaactca cgctttccta 1320
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<210> 4997
<211> 1549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (114)...(1114)
<223> similar to gi5091611 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 4997
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<210> 4998
 <211> 2938
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(947)
 <223> similar to gi5912247 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 4998
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<210> 4999

<211> 2910

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(2858)

<223> similar to gi2564330 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4999

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ccagggtatc	ttcacgcggc	cctccaagct	gaccocggcag	cccacggccg	agggctcggg	180
gagtgatgcc	cactccgtgg	agtcgctgac	tgcccagaac	ctgtcattgc	attcgggcac	240
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gcggtacgtg	ggggagacag	actttgccaa	gggcgagtgg	tgtggcgtgg	agctggacga	480
gccccttggg	aaaaatgatg	gggcgggtggc	gggcaccagg	tacttccagt	gcccacccaa	540
gtttggtctc	ttcgcgccc	tccacaaagt	gatccgtatc	ggcttcccat	ctaccagccc	600
agccaaggcc	aagaagacca	agcgtatggc	catgggtgtg	tcagcactga	cccacagtcc	660
cagcagttcc	tccatcagct	ccgtcagctc	tgtggcctcc	tccgtggggg	gtcggcccag	720
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gcgagcccgg	ctgctcgtgg	agagcgtgcg	gaaagagaag	gtggacctgt	ccaaccagct	1020
ggaggaggag	aggaggaagg	tggaggatct	gcagttccgc	gtggaggagg	agtccatcac	1080
caagggagac	ctggagaccc	agacgcagct	ggagcacgcg	cgcattgggg	agctggaaca	1140
gagcctgcta	ctggagaagg	cgcaggccga	gcggctgctc	cgagaattag	cggacaacag	1200
gctgaccaca	gtggccgaga	agtcgcgcgt	gctgcagctg	gaggaggagc	tcacctgcg	1260
ccgaggtgaa	atcgaggagc	tccagcagtg	cctgttgcac	tcgggtcccc	cacctccgga	1320
ccaccagac	gccgcgga	tctgcggct	acgggagcgg	ctgctctcgg	ccagcaagga	1380
acaccagagg	gagagtgggg	tgctgcggga	taaatacgag	aaggccctga	aggcctacca	1440
ggcggagggtg	gacaagctcc	gcgcggccaa	cgagaagtac	gcacaggagg	tggcgggcct	1500
gaaggacaag	gttcagcagg	ccaccagcga	gaacatgggg	ctaattggaca	actggaaatc	1560
caagctggac	tcgctggcct	cggaccacca	gaagtccctg	gaggacctca	aagccaccct	1620
gaactcgggc	ccaggcgccc	agcagaagga	gatcggcgag	ctgaaggcag	tgatggaggg	1680

catcaagatg	gagcaccagc	tggagctggg	taacttgcag	gccaaagcatg	acctgggagac	1740
cgccatgcac	gtgaaggaga	aggaggccct	gcgagagaag	ctgcaggagg	cccaggagga	1800
gctggctggg	ctgcagcggc	actggcgggc	ccagctggag	gtgcaagcca	gccagcaccg	1860
gctggagctg	caggaggccc	aggaccagcg	ccgggatgcc	gagctgcgtg	tgcacgagct	1920
ggaaaaactg	gacgtggagt	accggggcca	ggcgcaggct	atcgagtcc	tcaaggagca	1980
gatctcgctg	gccgagaaga	agatgttgga	ctacgagcgg	ctgcagcggg	cagaagccca	2040
gggcaaacag	gaggtcgaga	gtttgcggga	gaagctcctg	gtggctgaga	acagactcca	2100
ggcggtcgag	gccctgtgct	cctcccagca	caccacatg	attgagtcga	atgacatttc	2160
agaggagacg	atcaggacga	aggaaaactgt	ggagggcctg	caggacaagc	tgaacaagag	2220
ggacaaagag	gtgacagcct	tgacctccca	gaccgagatg	ctcaggggccc	aagtaagtgc	2280
gctggagagc	aagtgttaagt	caggcgagaa	gaaggtggac	gccctcctga	aggagaagcg	2340
gcgcctggag	gacagctggg	agaccgtgtc	ccggaagacc	catgacgcct	cgggccagct	2400
agtccctcatc	agccagtgagc	tgctgcggaa	ggagcggagc	ctgaacgaac	tgcggtgtt	2460
gctgctggag	gccaatcgtc	actcccaggg	gccggagagg	gacctgagcc	gtgaggtaca	2520
caaggctgag	tggcggatca	aggagcagaa	actcaaggat	gacatccggg	gcctgcgtga	2580
aaagctgacc	gggctggaca	aagagaaatc	cctgtcggat	cagaggcgct	actccctcat	2640
cgaccctgcc	tcggcgcccg	agcttctgcg	gctgcagcac	cagctgatga	gcacggagga	2700
cgccctgcgg	gatgcgctgg	accaggctca	gcaggtggag	aagctgatgg	aggccatgag	2760
gagctgccct	gacaaggccc	agaccatcgg	caattccggg	tctgcaaacg	gcattccacca	2820
gcaggacaaa	gctcagaaac	aagaggacaa	gcactgatcc	tgaggggata	ctgtggagca	2880
gcccagtgcca	caccagagcc	ccactgtatt				2910

<210> 5000

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (52)...(462)

<223> similar to gil72168 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5000

tttcgtctgc	tggcgggccgg	gagcgccggg	acggggcgct	aagccggagg	ctccgggacg	60
tggatacaga	tgaaaagaag	caaagaattg	ataactaaaa	atcatagtca	agaggaaaca	120
agtattcttc	gttggttgaa	atgtagaaaa	tgtatagcaa	gctctgggtg	ttttatggag	180
tatcttgaga	atcaagtgat	taaggataaa	gatgattcag	ttgatgctca	aaatatttgt	240
catgtgtggc	acatgaatgt	agaagccctt	ccagaatgga	taagctgcct	aatccaaaaa	300
gccagtgga	cagttggaaa	actgaattgt	cctttctgtg	gggcccgttt	agggggcctt	360
aattttgtca	gcactccaaa	atgttcctgt	ggccagcttg	cagctgtaca	tctctccaag	420
agccggactg	attatcagcc	aacacaggca	ggcagactaa	tgagaccatc	agtgaataac	480
ttgtcacatc	ctatagttca	gtcaggttgt	gacaagggaag	ctctgctgac	aggtgggtggc	540
tctgaaaaca	gaaatcacag	gctttttaaac	atggcccga	ataataatga	ccctggaaga	600
ttaacagaag	cactctgcct	ggaggtgcga	ccaacatatt	ttgagatgaa	gaacgaaaaa	660
ctgctgtcca	aagcatcaga	acaaaaatac	cagctttttg	ttccccagct	tgtgactggc	720
agatgcgcta	caagagcttt	tcatagaaaa	tcacatagtt	tggatctgaa	catcagttag	780
aaactgactt	tattaccac	tttatatgaa	atacatagta	agactactgc	ctattccaga	840
ctaaatgaaa	cacagcctat	tgacctttca	ggcttgccct	tacaatctag	taaaaatagc	900
tattcctttc	agaatccatc	cagttttgat	cctagtatgc	tgctgcaaag	attttcagtg	960

```

gcccccatg agaccagac acaaagagga ggagaatttc agtgtggtct agaagctgct 1020
tcagtgtatt ctgaccatac taataactaac aatctgactt tcctgatgga cctgccctca 1080
gctggcagga gcatgccgga ggcctcagac caggaagagc acctctcccc tctggacttc 1140
ctgcactcag ccaatttttc attgggcagc attaatcaga ggcttaataa gagagaaagg 1200
agcaagttga agaattctaag aaggaaacaa cgaaggcgtg aaagatggct acagaagcag 1260
ggtaaatact caggagtggg attgctggat catatgactt tgaataatga gatgagtaca 1320
gatgaagaca atgaatatgc agaagaaaag gatagctaca tctgtgcagt gtgtctggac 1380
gtttatttca acccttatat gtgttaccct tgccatcaca tcttctgtga gccctgctta 1440
cgactct

```

```

<210> 5001
<211> 1238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (180)...(464)
<223> similar to gi2911858 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5001
cggccagaaa attgaaagcg ttggacgccc taccggaccg caattcccga tgacgatttc 60
gtctgtaacg cagaagcgaa atgtagcgag ccggttgctg cggctggacg ctgccttg 120
ctgggggtgt gggggggcac gccgggggccc aaggaggact gtcgaggagg agtgatgtga 180
attctcgtct agcccggttc ctcttcctcc tcgtggtccc aggacacctg gtgttcctct 240
acaccatcag ctgtatgcag ggcgggcaca ccacctcac actcatcttc atcatcttct 300
atatgacagc tgactgctc cagggtgctga ttctcctgta catcgagac tggttggtgc 360
actggatgtg gggccggggc ctggaccggg acaacttctc catccatac ttgactgctc 420
tgggggacct gcttggcact gggctcctag cactcagctt ccatgttctc tggctcatag 480
gggaccgaga cacgatgtc ggggactagc ttggtcactc aacattttcc ccatccctct 540
gcactttcta tttgaaattt ttcttttggt cccctgtccc tctccaccc cacactccca 600
cctctttcta ggacttcact ttgataccaa attctcatta ttttcaatgg gaatttttat 660
acattgagcc aagtttgtat agcaagaatt tgggaaacac agatggcctg agataagcag 720
tacaagtagg tttttgagac aatcaccaag tgcagtttca tgggtgggtgc ctccaggtga 780
tgtggactgg agcaggggag ttttgtctgg aatctgggga catgggggtt ggcttttagca 840
acctgtcttg gccctaataa gaaacccttt gtaagtgggc tctggatttt tggttttgtt 900
ttctttttat ctgttttggt ttatttttggt ttttggttga acagagggac agaagaataa 960
gtaacactcc caaacacaga catacttttg tagaagtgga ccaacttcaa agctctggac 1020
aggagacacc tgctccaggc ccctgtgac ccagtctgtg tctcttgccc tctggacctc 1080
agcgttccca ctgcagaaa gagtaaggtg gactgacttt tcaatttgtg cacatgcctc 1140
ttgttcaatg gcctggtcaa catcaacaac cctccctct gatcatttcc agttgattgt 1200
catatccaga aaaaaatgga acagtgcact cttctccg

```

```

<210> 5002
<211> 2610

```

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(769)
 <223> similar to gi868189 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5002

gtggaatggg	acaaagacca	tggggtcctg	gagtcccacc	tggcggagaa	ggggagaggg	60
atggagctat	ccgacctgat	tgttttcaat	gggaaactct	actccgtgga	tgaccggacg	120
ggggtcgtct	accagatcga	aggcagcaaa	gccgtgccct	gggtgattct	gtccgacggc	180
gacggcaccg	tggagaaagg	cttcaaggcc	gaatggctgg	cagtgaagga	cgagcgtctg	240
tacgtgggcg	gcctgggcaa	ggagtggacg	accactacgg	gtgatgtggt	gaacgagaac	300
ccggagtggg	tgaaggtggg	gggctacaag	ggcagcgtgg	accacgagaa	ctgggtgtcc	360
aactacaacg	ccctgcgggc	tgctgccggc	atccagccgc	caggctacct	catccatgag	420
tctgcctgct	ggagtgacac	gctgcagcgc	tggttcttcc	tgccgcgccg	cgccagccag	480
gagcgctaca	gcgagaagga	cgacgagcgc	aagggcgcca	acctgctgct	gagcgccctc	540
cctgacttcg	gcgacatcgc	tgtgagccac	gtcggggcgg	tggtccccac	tcacggcttc	600
tcgtccttca	agttcatccc	caacaccgac	gaccagatca	ttgtggccct	caaatccgag	660
gaggacagcg	gcagagtcgc	ctcctacatc	atggccttca	cgctggacgg	gcgcttcctg	720
ttgccggaga	ccaagatcgg	aagcgtgaaa	tacgaaggca	tcgagttcat	ttaactcaaa	780
acggaaacac	tgagcaaggc	catcaggact	cagcttttat	aaaaacaaga	ggagtgcact	840
tttgttttgt	tttgttcttt	ttggaactgt	gcctgggttg	gaggtctgga	cagggagccc	900
agtcccgggc	cccatagtgg	tgccggcact	ggacccccgg	gccccacgga	ggccgcggtc	960
tgaactgctt	tccatgctgc	catctgggtg	tgatttcggg	cacttcaggc	attgactcaa	1020
ggcctgccta	actggctggg	tcgtttcttc	catccgacct	cgtttctttt	ctttcctatg	1080
ttcttttgtt	cagtgaatat	ccctagagct	cctaccatat	gtcaggccct	atgcctcacc	1140
ctgagaacgc	agtgagcatg	aggtggacct	gtttgtctgg	aaccccaggt	cacccccttt	1200
tcttcctact	ctgtgcctgg	agcatcatgt	ccacccctgc	agatccttgg	aaaagaaaat	1260
gtttatgttg	caggggtattg	catggtcacg	agtgagggca	ggccccctgg	gacacatctg	1320
cccacagctg	cacaggccag	ggcgcaggca	catctgttgg	ttctcaggcc	tcagataaaa	1380
ccatctccgc	atcatatggc	cagtgaccgc	tttctccctt	caagaaaatt	ctgtggctgt	1440
gcagtacttt	gaagttttaa	ttattaacct	gctttaatta	aagcagtttc	ctttcttata	1500
aagtggaaac	accaaattct	atcacacaga	gcacagtcct	gtagttaccc	agcccgcctc	1560
agcagtgcgg	gagattgtaa	ggaagcgggt	gcggctgggt	aagcaagtct	cacatgtcgg	1620
cgttcttggc	caatggatac	aaagataaag	aaaatgttgc	ctttttctag	gaactgtcag	1680
aaatcctcat	gcctttcaag	acttctgtga	atgacttgaa	ttttttattc	cctgcctagg	1740
gtctgtgaac	gaggcctgtc	tcttccctgg	ggtttctttc	catggccttt	atttctcctc	1800
ttccagtggg	agttttgcag	gctcttctct	gtggaaactt	cacgagcgtt	ggctgggcct	1860
cggcttcgct	ggagtgtact	ccagggtgaa	ggcagagtgg	gatttgagac	ccaggttagg	1920
cacgacccag	gctgagaagg	gacgtttcca	tcattcacag	tgccctcccc	acagcactac	1980
ctcaccccga	ccccaccct	cactcctacc	ccaccccgcg	atcgtcaggg	gtgccacggg	2040
gggcgggagg	gtgccggctc	tggtctgtcc	tgtgccggtc	cctcacaaac	ctctccccct	2100
ttgaaactca	agcacagctg	cgaggagggc	agcgaggagg	gacccctctc	tcatggttgt	2160
ctctttcccc	cgctatgtca	taggtagtgg	aggaagcgaa	ggaagtgaac	gctgaatgtg	2220
acgcatttct	gaagagctca	gctgtcacgg	ggcatagcct	ggaagcccca	agtctgttct	2280
gactttgcct	ggctgtctcc	ttgacccgcc	tcctagatca	ttgtccttga	tgtccaggct	2340
gggtcattta	aaatagagat	gcaatcagga	agggtggggg	acttgggact	gtggctgaat	2400
tgagaccttg	ctgatgtatt	catgtcagca	cctgagtcac	agcccagggt	cccggaagca	2460
gcctcttcgc	ataaggcagt	gattttgcga	attactttta	agctcacctt	ttttcttccc	2520
ctctctgttc	gctgctgtca	gcataatgat	tgtgttcctt	ccctatggga	tccatctgtt	2580
ttgtaaacia	taaagcgtct	gagggagtg				2610

00438735 012100

<210> 5003
 <211> 1415
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1161)...(709)
 <223> similar to gi746495 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5003
 tttttttttt ttcacactgt cacaatttat tgaaatttta taaaaactca ggccaagtgg 60
 aagaataagg tacaactcaa gagtacaaag acaactccgt ttccgttcag tacttttctc 120
 ctacgactgt gtggttaagaa agccccttgc tctctagtag ccaggcagca tggacttaca 180
 gtcttaaaat gaggctttat gtatttcagg ctggaggcag gttgcctttt ctctgagga 240
 atctcaggca gggtaaaaagt tacttaccac tcagtacctc tgtgccagaa gaaaagctca 300
 atttattcaa tccttagaaa agttactatc gtccccctgg cagacactaa ggtgtcttga 360
 taagggtccag agacaaccac atagtcctta ttctaattcg tagtgaaaag gctgcaggca 420
 tatggtgctc ctacgatggg cctgaccctt tcctaagcac atctcatthc cacatccttt 480
 gccttctctt tcccccaaca tttccagcca gcatagaacc caatttctgg gaaattgaga 540
 ggagaaaacag tattatgaac acagactcct ttcaaattgg aacaggagcc aaaccaaata 600
 aataagagaa ttgtgtaggg aagtggggta gaaggagggt caggaggcaa tcccttgcct 660
 caagtctggt gcacctcatg gaacatcagt tcacggggga tggctgtttc tggaccaaac 720
 ttggtggctg cccgacgctc aaaggcagca acattctggt tgacaacctc atcaaaaaac 780
 atggtggcca gctgggagtg cagcagagaa cgaaattcaa aggaaatcga aaagtccaca 840
 gtgcagggtc gaggataggc aggaatacca gggctgaatc gccaaatagt ctctaagtgg 900
 ttgaagagct tgccatcagt acaaacagcc ttgaccatgt gaggtttgac catggaaaact 960
 gcagagggtg aacgttccat gacagggtga aagccaacct ccagctgggc tttcaaata 1020
 cccttacggc tggataccac cagagacttc ttaccccagg gcacaaactc acgatactcc 1080
 tggacgttgg acaccacctc atacatctcc tgcattgagt accccatgat tctacgctcc 1140
 gagtaagcct ttcgcttggt ggtgaaggga gcagcaaata ccatgaagga acggctcgaa 1200
 ggtaagccag cctcagccgc caagatctgg gcagcccag gcaagaggag gctgcaggag 1260
 gtcagaaacc ccgagaactt cccttctcgt acaacttgca aaagcattat ccaaagctct 1320
 acgttagctc ccagggcagt attgctgcca gtccccgccc cgcctgcatc ccagtatagc 1380
 acccctccac cgcggaaccc cggggttcgc agcga 1415

<210> 5004
 <211> 988
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (769)...(231)

<223> similar to gil001126 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5004

```

tttttttttt tttatttggg ttttttttct cttaaaaaga tttattatca aaaagtttgc    60
tcccttttaa tactgagcca attcatcaat gcagctccat tcttttttagg attattaggg    120
cccaaataat ttcagactaa aacaagaaat aaaaaactgg actatagggt cagtaacata    180
ttcacagaca tgtcagtgtg cactcaggaa cactggtttc atttcttgat tggaatgctt    240
atcaccataa aatcttctgc tagagtcact tcttgagat ctaacactga ttcagcttgc    300
tttttttagt ctgcaatgcc atctgtttct ctttctctgg ccaaggcaac tggtttgtac    360
ctctgactga agtgagtcag aaccagcctc ttgacacggc acaactttgc aaatgttgct    420
gccatctgtg gtgtgctgtg gccatgctcc ttgctttgt ccatctgggc atcatccagg    480
gttgcttcgt ggatcaacag gtctgcttca aagcacagtt ttactcctcc atcaccaca    540
accccagagc agtcacccaa tatgcagatt tttcttccaa caataggctt ttttaagaca    600
tcttggggag aaattgtaac cccattttcc agaacaacag aaattccatt tttcagcttc    660
ccataggcag gacctgggtg aacaccaagg tctttaagtt tctgtgcatt gagtttacct    720
gggcgtttct tttccacgac tgaaaaccca aatgagggaa ttctgcttta agttggcttt    780
tcataagctg tgtctgtgtt cctccccac agtcaaagag ccagcactcg ccttcacacc    840
gaaggaccac agcagaggca ccccggttg gagatgggta tgctgcaccc gtcccagga    900
atgtcacatc catagacatc ttccaccct ctccccgagg cccgcgccag gagccgaggg    960
aggcgagggc ccgcaccctg gccagct

```

<210> 5005

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (13)...(423)

<223> similar to gi5706448 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5005

```

cccacgcgtc cggaccttgg tgatttaagg cggcaggtta aactcttaga agagaagaat    60
accatgtata tgcagaatac tgtcagtcta gaggaagagt taagaaaggc caacgcagcg    120
cgaagtcaac ttgaaaccta caagagacag gtagtagaac tacaaaacag attatccgaa    180
gaatcaaaga aagcagataa actagathtt gaataaagc ggctaaaaga aaaagttgac    240
agtcttcaaa aagaaaagga caggctgaga acagaaaggg attctctgaa ggaaaccatt    300
gaagagcttc gttgtgtaca agctcaagaa gggcagctca caacacaagg gttaatgcct    360
cttgaagtc aggagtcttc agacagtcta gctgcagaga ttgttacacc tgaaatcagg    420
taaggagatt gtggtgttca cacttacact gcacagtatt cttggagaaa acgtacttct    480
ctacaatatg aagaagataa tttccttatt ctttctcacc gacactttca acatgaactc    540
agtgttaaat ttttatgttt tcaacatggt aaaagctttc ttccactggc ctacggaaaa    600
ttgatttgct cacttcaata agacaatctt tcacacatat aaagccaatt gttatgtcca    660
aagcttgagt atcctcagca gacattaagc aatgaatata ttggcctgt agacaatagt    720
tatgcttagc tataagcatg caaaattatt agttattaag atttatctgc taaccagctg    780

```

<210> 5006
 <211> 574
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(215)
 <223> similar to gi435774 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5006
 caagaaagcg gcttcagctg taaaggacct ggccagaatg tggctgtgac cagggcacac 60
 cctgactccc aagggaggcg gcggcgccct gagcggggggg cccgaggagg ccaggtgttt 120
 tacaacagcg agtatgggga gctgtcggag ccaagcgagg aggaccactg ctccccgtct 180
 gcccgcgtag ctttcttcac agacaacagc tactaagcag catcggacaa gacccccagc 240
 acttgggggt tcaggccccg cagggcgggc agagggctgg aggcccaggc tgggaactca 300
 tctggttgaa ctctggtggc acaggagtgt cctcttcctt ctctgcagac ttcccagcta 360
 ggaagagcag gactccaggc ccaaggctcc cggaattccg tcaccacgac tggccagggc 420
 cacgctccag ctgccccggc ccctccccct gagattcaga tagaatgtga cctctaggca 480
 tgatttgcta ggggtgggag cagcatcttt ctgtcaccat tgtgtgaaca gcagggtcag 540
 atgttcctag tgatatcacg ggaagccttg tttc 574

<210> 5007
 <211> 1179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1180)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (3)...(387)
 <223> similar to gi4586838 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5007
 acgtaattgt gcatgcgcgg cccatccgca cgcgggctag caagtactac atccccgagg 60

ccgtgtacgg	cctgcccgcc	tatccggcct	acgcggggcg	cggtggcttt	gtgctttccg	120
gggccacgct	gcaccgcctg	gctggcgctt	gtgcgcaggt	cgagctcttc	cccatcgacg	180
acgtctttct	gggcatgtgt	ctgcagcgcc	tgcggctcac	gcccagagcct	caccctgcct	240
tccgcacctt	tggcatcccc	cagccttcag	ccgcgcgcga	tttgagcacc	ttcgacccct	300
gctttttaccg	tgagctgggt	gtagtgcacg	ggctctcggc	cgctgacatc	tggcttatgt	360
ggcgccctgct	gcacggggccg	catggggccag	cctgtgcgca	tccacagcct	gtcgctgcag	420
gccccttcca	atgggactcc	tagctcccca	ctacagcccc	aagctcctaa	ctcagaccca	480
gaatggagcc	ggtttcccag	attattgccg	tgtatgtggt	tcttccctga	tcaccagggtg	540
cctgtctcca	caggatccca	ggggatgggg	gttaagcttg	gctcctggcg	gtccaccctg	600
ctggaaccag	ttgaaacccg	tgtaatggtg	accctttgag	cgagccaagg	ctgggtggta	660
gatgaccatc	tcttgtccaa	caggtcccag	agcagtggat	atgtctggtc	ctcctagtag	720
cacagagggtg	tgttctgggtg	tgggtggcagg	gacttaggga	atcctaccac	tctgctggat	780
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gagcaccagg	gatggagcca	cacataaggg	acaaatgagt	gcacggtcct	acctagtctt	1020
ttcctcacct	tctgaactt	cagacaacna	ttggccantc	tcccactgga	aggctgtatc	1080
ccctcaagan	ggagccaagg	aatgtttttc	ccctggagat	gccacactaa	ttaattttcc	1140
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<210> 5008

<211> 2872

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(2873)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (38)...(1809)

<223> similar to gi3881530 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5008

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agatggctgc	tgctggctgg	acgcacctga	gctggccctg	cgctgctcta	gcctactgag	180
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ctcatcgctc	tgtgggctgc	cagcctcagc	caccgtccac	ccagaccaag	acctgttccc	300
actgaacggg	tcttccctgg	agaacgatgc	attctcagac	aagtcggaga	gagagaaccc	360
tgaggagtca	gataccgaga	cccaggacca	tagccggaag	acggagagtg	gcagcgacca	420
gtcagagacc	cctggggccc	cgggtgcggag	agggaccacc	tatgtggagc	aggtccagga	480
ggagctgggg	gagctggggc	aggcgtccca	ggtggagaca	gtgtcagagg	agaacaagag	540
tctgatgtgg	accctgctga	agcagctacg	gccaggcatg	gacctgtccc	gcgtgggtgct	600
accacgttc	gtactggagc	cgcgctcctt	cctgaacaag	ctctccgact	actactacca	660
cgcagacctg	ctctccaggg	ctgcgggtgga	ggaggatgcc	tacagccgca	tgaagctgggt	720
gctgcggtgg	tacctgtctg	gcttctacaa	gaagcccaag	ggaatcaaga	agccgtacaa	780

09486722.012100

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cacgtcggga gaggaagtcc tggcgagcct cagtggccac tgggacaggg acgtgtttat 1260
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ccaggggagg ccgagtggcc caggagtccc cccacacaca gatgcatagg cctgccttcc 2220
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ttttgtaccc gtgtccttgt ctcccctcct ccccatctg gggatgtgtc tgtgttccac 2820
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<210> 5009

<211> 1731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (62)...(419)

<223> similar to gi3986746 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5009

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ggatttcgtg ccaagcttca ggaggccaag cggcaacacc agtcagactg tgtggctttt 60
gagggctgct accctggaaa aggaagtggc cgggttgctg gagaagatcc accacttgga 120

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tgacatgctc	aagagccagc	agcggaaaagt	ccggcaaatg	atagagcagc	tccagaattc	180
aaaagctgtg	atccagtcaa	aggacgccac	catccaggag	ctcaaggaga	aaatcgccta	240
tctggaggca	gagaatttag	agatgcatga	ccggatggaa	cacctgatag	aaaaacaaat	300
cagtcattggc	aacttcagca	cccaggccccg	ggccaagaca	gagaaccccg	gcagtattag	360
gatatccaag	ccgcctagcc	cgaagcccat	gcctgtcatc	cgagtgggtg	aaacctgagc	420
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gcaggtcatc	atggttttct	ttttttattg	gttttttttt	tttctgaaac	aaagtctcat	1680
tctgcaaccc	aggctggagg	gcagggggcgc	gatctcagct	cactgcaacc	t	1731

<210> 5010

<211> 1128

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1091)...(779)

<223> similar to gi726373 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5010

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tgtgtggcac	ctcctcctgc	gcccccttgc	tcctactctg	gccacataag	atgtgtctgc	180
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tactatgctt	cctgtatagc	ctgcagaact	gtgagccaat	taaacctctt	ttctttataa	300
attaaattac	ccagtctcag	gtatttcttt	acagcaattc	gagaatggat	taatacaatt	360
gccaattttc	cttttctttt	tttaaaaaat	aaaagccaaa	ataacacttt	taagatccca	420
ggtttttagac	aaggcagctg	tagtctctcc	atcatcctca	ctgtccattt	gcttcttcct	480
gggacagaca	ctgtggccca	gtgaagctga	ggggaccctg	ggattcaaag	ctgggtggaat	540
ggaccctccc	tccccccaca	agctgtaata	acctgctgga	atcccacaca	acctgagggc	600

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ttcacttgtc aacagctccc ttcctcaga ggctattttg aggcaggcat tccgtgtttt 660
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ctggaccaaa ggctgcttgg ttcctgcgg ttctgatgc cacccttct cttcagggtg 780
gttacctggc agaaggcgtc caatgcatcc tccagtgtcc cagcagggtt tccgctgaag 840
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<210> 5011
<211> 2377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2378)...(808)
<223> similar to gi4240149 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5011
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taccattacc taaaaatgat tttttaaaaa atgcttatca ttacctaaa gaaaaatgta 180
gcaaaattca actttggagg aaaatgaaaa ctgtacatat ccttgagaac cagcgaaagc 240
taagagatat agaaaattgt acattcccac aaagtatttt caacaaagag gcattatctg 300
cattccacca aggtcagtcg agttgaggag aaagagaagc aaatgccaa aaattggctg 360
catatTTTTT ttttaatctg ttttgccctt aatcacaaag agcaatggga agaacaagct 420
ccctttctcc ttttctcaga cacccttggg cttaaagttgt tctttttcta gttcttccct 480
ccctgtaat ttttaattat cagaaataaa taccagtgc tttcagggtg tctgtctgtg 540
tagagtgcac aactgaagtt attagtggct tgggagtttg cacatataac tggagggtaaa 600
cagcagatta ctacacctaa tctcaccctg agcatttctc ctctgtcaag tctaaattct 660
gccatcttct tttgcaaaaa caagcagaca tccccacca aggccaaaat ataataata 720
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aggactgagt	cattggggct	gaatttgtga	gagtaaatgt	ggccacctgg	acatcactgc	1860
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ccagcgcgag	ccagcgcgcg	gtgcccatgg	cggcctctgc	gagcgcgggc	gggccgagcg	2340
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<210> 5012

<211> 5122

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(3744)

<223> similar to gil89036 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5012

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ccgcattggc	cagagcaaag	tcttcttccg	tgccggtgtg	ctggcccacc	tgaggaggga	180
gcgagacctg	aagatcaccg	acgtcatcat	agggttccag	gcctgctgca	ggggctacct	240
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agtgatataa aagctgcata tgcctacaaa gctctgaatt caggccccag ttgctgtcac 4980
aaaggagtga gtgaaaacac ccaccctacc ccccttttta tataataaaa gtgccttagc 5040
atgtgttgca gctgtcacca ctacagtaag ctgggtttaca gatgttttcc actgagcatc 5100
acaataaaga gaaccatgtg ct 5122

```

<210> 5013

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (867)...(574)

<223> similar to gi4455118 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5013

```

ccgatggaga tagccatttt aaaagttttc gatcccccttc tttaaaggcg aaatgttttt 60
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tcctactttt tgttaaatgg atatttcctt tcaatgataa cgttcaaaat ttccctgggt 180
tttttccctt ttctgagagt taagccattt gaattacctt tattctaacc acaaaatttt 240
ttttgtaggg tttttttttt tggttttttt ttgtcttttt ttttgcgttt aaaacatttg 300
ggctattccc tgacgatcta tacatgtaaa ttgtattgct aaacattgtc actttgaatg 360
tcaaactatt tttaattctat tgattttgat taaaaatcat aatacaaaca gagctaaaat 420
cacgctaaca aaataaacta aatatgaaaa gttgcattga aagggcata cattattctt 480
aataggatcg tgtagaaaca ttccaatggc agtgttctca aaataaaaca aaattacatt 540
agaagacctc cagcctggcc acttttgga ccttacctgt aactctggct ggtgggtgtc 600
tttactcttg tactacatgg ctactttaca tcagacatca tatttgtata ccctgagaaa 660
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attggcaccg tgctgcccga cttaaactga gaaccaaacy cttgtgcaaa gttctcaatc 780
tgatacgttg ttctaggctc tatgtctttc tgaggatcta tctggctagc taactcctga 840
gatggaatct gaaagcctgt tgaaga 866

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<210> 5014

<211> 5024

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (125)...(790)

<223> similar to gi4980899 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

007270" 52298460

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<400> 5014
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aattttgaag aaaaagtcct tcaacttttcc aagagaccat aagtcagtta cagctgatac 180
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tgtcagtgct acaggagtta caccaaattgt agaacctttt ctccatggta acagttttga 300
tctaggagaa gatggtggcc tgaaaagtga tgatcatatg cacacatccc ttcctgatat 360
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gaggctgtgg acccaggcta gacagatggg atggtatgca gcaaagtgca tggctgcagc 480
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attttttaac tataaggttg tactgctggg aaaatacaat gcacagggct taggttcaga 600
tcatgaatta atgctgagat gtaccaaagg acgagaatac atcaaagtcg tcatgcaaaa 660
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<210> 5015
<211> 918
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(919)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (128)...(458)
<223> similar to gil857435 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5015
ctggggcagtg ggtatgagca cggtgccagg tggctcccg cactccctgg ggatccaagt 60
gcgggggtggc tgggggtgtaa ctggggggaga ggaggagagc ctactgtcc ctgtcgctga 120
cacctggcag gcggggagct ttaaggtggc caccaggag aggaaccccc agagagccca 180

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gatgaggctg	cggaggcaga	agaaggggtg	ggcccccttc	ctgggggatt	ttctgactga	240
gttacagagg	ctggattcgg	ccatccccga	cgacctggat	ggcaacacca	acaagaggag	300
caaggaggctc	cgagttctgc	aggaaatgca	gctgctccaa	gtggctgcca	tgaattacag	360
gcttcggcct	cttgagaaat	ttgtcaccta	tttcacaaga	atggagcagc	tcagtgcaca	420
agagagctac	aagctgtcct	gccagctgga	gcccgaatac	ccgtaggctg	gcaacatcct	480
gcagtggctg	ggaacccacc	gggatgctgg	ccagaacacc	ggctctgcac	catccctcac	540
ccagaccgta	gacaccaggg	aaccacatct	aggaggctgg	cagctcagct	gcatcttgcc	600
ctggatcctc	atcaccaact	gctcctgctg	gccaggatca	ggccatggga	cttttgtgag	660
tcaggcgagg	gaccatttta	tgtttatctt	cttttagtga	taagtaaggg	ttttttctta	720
actttcggtt	aaataaaatt	ttaaaaaact	attcaaaatg	ttctgtagtt	ggttgaatga	780
gaaaagtaac	tccagtgcgg	taacatata	ccagtcttta	ggattcatag	cctagcatgt	840
caaattgagg	ctatggctga	ccaagttaat	gaatagctgt	cncgtcttac	ggtctctatc	900
anggtctcat	tggagtgc					918

<210> 5016
 <211> 1625
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)...(215)
 <223> similar to gi2662057 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5016						
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gcagagtgtg	tcagctcatg	gaacaagaca	gttatacag	ttttctgaaa	tctgacatct	180
atttagactt	gatggaagga	agacctcaga	gaccaacaaa	tcttaggaga	cgatcacgct	240
catttacctg	caatgaattc	caagatgtac	aatcagatgt	tgccatttgg	ttataaagaa	300
aattgatttt	gctcattttt	atgacaaaact	tatacatctg	cttctaacat	atcgcatggt	360
tatgttaaga	tttgggtcca	tccttttaaac	tgaaatatgt	catgtgaaat	tatttttaaaa	420
atgtaaaaac	aaaactttct	gctaacaaaa	tacatacagt	atctgccagt	atattctgta	480
aaacctttct	tttgatgtca	ttccatttat	aatcagaaaa	aaaacttatt	tcttaatcaa	540
aaggcagtag	aaaaaaaagta	ataatgtttt	ataagattgt	agagttaagt	aaaagttaag	600
cttttgcaaa	gttgtcaaaa	gttcaaacaa	aagtctagtt	gggatttttt	accaaagcag	660
cataatatgt	gttatataaa	cataataata	ctcagatatc	caaatgttca	gatagcattt	720
ttcataatga	atgttctctt	ttttttggta	atagtgtaga	agtgatctgg	ttcttacaat	780
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cttcagatta	aatataatct	agattaatga	ctgagaataa	gatccacatt	tgaactcatt	960
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cagaaagtgt	tatctcattg	attatattct	tgtaagcaa	atctccttaa	gtaattatta	1320
ttcaaataag	attatactca	tacatctata	tgtcactgtt	ttaaagagat	atttaatttt	1380
taatgtgtgt	tacatggtct	gtaaatatatt	gtatttaaaa	atgccatgca	ttaggctttg	1440

gaaatttaat	gttagttgaa	atgtaaaatg	ggaaaacttt	agatcatttg	tagtaataaa	1500
tatttttaac	ttcattcata	cagttaagtt	tatctgacaa	taaaagctct	gactgaatgg	1560
tgattatcct	tcctattatg	taataaggaa	taaacatttt	cttcttttag	agtggaaaaa	1620
aaaaa						1625

<210> 5017
 <211> 758
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)...(315)
 <223> similar to gi507319 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5017						
cggacctgta	ttgggaacaa	tgtttttggg	aacgcgtgca	tctctgtgct	gagccctggg	60
actgtgataa	cggagcacta	tggaaccacc	aacatccgca	tccgatgccca	tttaggtctg	120
aaaactccaa	atggctgtga	gctgggtggg	gggggagagc	cccagtgtctg	ggcagaaggg	180
cgctgccttc	tctttgatga	ctctttcctg	catgctgcgt	tccatgaagg	ttcagcagag	240
gatggcccac	gggtgggttt	catggtggat	ttgtggcatc	caaacgtcgc	agcggccgaa	300
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cgcatttcct	tgattgggtcc	ttgagtgacc	agagacttag	tgcccttgta	agtctgtcct	660
ctgttgctac	ttgttttttt	cagtgtctctg	aaatagagta	acctaaatgg	ttatttgtct	720
gaatataata	atgtaaaact	tcttgtgggt	catcttaa			758

<210> 5018
 <211> 2409
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2410)...(265)
 <223> similar to gi5739208 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5018

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ttgcaactat	tcttgcttta	tctggaacag	tttactccgt	tattgaatat	ctattagtgt	180
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<210> 5019

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(440)

<223> similar to gil403532 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(1887)

<223> similar to gi4240239 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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<210> 5023
 <211> 1113
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (984)...(564)
 <223> similar to gil913888 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

00460 "5'UTR" CDS

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atttcacagg	aggaagtgga ccaggtagca ctg 1113

<210> 5024
 <211> 1937
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (225)...(1064)
 <223> similar to gi5824388 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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cggaaaacgg ggtccaaccc ccgaaagcgg ctgcctttcc gccaggcttt agcatttcgg 180
agattaaaaa caaacagcgg cgacacttaa tgttcacgcg gtggaaacag cagcagcggg 240
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<210> 5025

<211> 2685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)...(1666)

<223> similar to gi2208839 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters


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<210> 5026
<211> 4955
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (1)...(2859)
 <223> similar to gi5689511 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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gccagcctgg aggcgtactg ccacatccgg ggcttctagg gcctcgcgca gagactcgtc 2880
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<210> 5027

<211> 900

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(898)

<223> similar to gi3548791 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5027

atggcttctg ctgcctgctc catggacccc atcgacagct ttgagctcct ggatctcctg 60

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<210> 5028
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(109)
<223> similar to gil62191 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5028
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tgaggtccag attcgttca tcacagagcc agtgagtggg gcagagatgg gcaactctacg 240
tcgaggtgga cgacgcccag ctaaggatgc aagagccagt acctacgggg ttgctgtgcg 300
tgtgcaggga atcgctgggc agccctttgt ggtgctcaac agtggggaga aaggcgggtga 360
ctcctttggg gtccaaatca agggggccaa tgaccaaggg gcctcaggag ctctgagctc 420
agattttgga ctccctgaga acccctactc tcagggtcaag ggatttcctg cccctcgcga 480
gagcagcaca tctgatgagg agcctggggc ctactggaat ggaaagctac tccgttccca 540
ctcccaggcc tactggcag gccctggccc agtgatcct agtaacagaa gcaacagcat 600
gctggagcta gccccgaaag tggcttcccc aggtagcacc attgacactg ctcccctgtc 660
ttcagtggac tcactcatca aca 683

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<210> 5029
<211> 4235
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
 <222> (4236)...(940)
 <223> similar to gi5689527 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5029

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tcatgatttt	gtgaacttgc	ctgtataagt	ctgtaccttc	aaatctacaa	agcaaaaagt	180
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caaattcttt	cagtgggctg	caatatattgc	aaacatgctt	taaacttcca	taaagatgca	300
agatatatttg	ctttctgcta	aaacctttac	actctcttgg	gaaccttaac	caggaaaaatg	360
tttaaagtga	tatcccaact	ctaaacgctg	ccggtttggg	tatatgtatt	aaatcgttaa	420
ccaccgggtt	gggtggtttt	gagttgaaac	cttcacctaa	atgataatat	cttaacggtc	480
acgcatatga	aacacattca	gtaacgtacc	attataaaaat	agggttccat	taaaaataca	540
tactggcagt	tgtattttgtg	ttttaggcag	gaaaaaaaagc	gtgttttaact	tttttatatg	600
aatatagttt	aaacaagtta	ttctgtgaaa	gtatgcttaa	taaaagatct	ttctgaaaatt	660
taaacacttt	atgtaaaagg	gtacaggtag	aaaagtacaa	ttgctatttg	aaaaaagctc	720
tgtttggttaa	tattgccttc	caagatagta	agggtgtttt	tctctctctt	cccttaaaat	780
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acttcctcca gctccagctc ctccctgtcc atctcctgat ggatgtctcc aatgtagtca 2940
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<210> 5030
<211> 4226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2513)
<223> similar to gi3882233 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5030
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aggtcctcac caccgagga gttgcagaaa gaacaccaag cttcatgtat ccccagggca 180
ccgcgagcag ccagatggtg cttcgtggca tggacctcct gctggaatgc atcgctccg 240
gggtcccaac accagacatc gcatggtaca agaaagggtg ggacctcca tctgataagg 300
ccaagtattg gaactttaat aaggccctgc gtatcacaaa tgtctctgag gaagactccg 360
gggagtattt ctgcctggcc tccaacaaga tgggcagcat ccggcacacg atctcgggtg 420
gagtaaaggc tgctccctac tggctggacg aacccaagaa ccttattctg gctcctggcg 480
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gcctagagaa	acactgagat	ctgtagctgg	ctgcctggga	tgagagggaa	atgagacttg	2580
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attgtatctg	gagctcagct	ctccttggac	cactgtggtc	acacctgggt	ccccacttgc	2700
cctgacttgc	tcagtcactt	gacatctatc	atctttcctt	cttgtagagg	aataagggaag	2760
agagcatgag	ttgagaaatg	agagaaatca	taatgaactc	caaagaacag	tgagtgttca	2820
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ttctttcttc	gaaggcacat	gggttcaagg	aggtagggga	aaccgtcagg	atgacgctgt	2940
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aaagagcaaa	tgagttcatc	acctgggtcc	aggcgtcatc	tggcagcatt	tcagccccac	3120
cagagctgca	cctgcctgag	gactccacta	gagggggctc	caggctcacc	cgcacacgca	3180
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caagggatat	acaaaggtaa	caagaagctc	acaccatcta	gagggggagt	catctataag	3420
aatatcta	tgcatgtcta	aatgaggggg	cgcagtggct	gggcagagaa	ggggattcag	3480
tcttcacggg	aagactccag	agaagagggtg	atgtgagtgg	gcactctgga	agctgacaag	3540
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cggggtcttc	tgaataccac	ccctacccgc	attccaggag	agcatcagtg	ctgccttctc	3660
tggggtacc	agcccgcgtg	cgtcaccccc	ggatcccagg	cagcttcaca	agctgcccac	3720
atccttcccc	agcccaccac	tctagccagt	agaccagcgc	tgaggcagga	gaagaggggc	3780
caggcagaag	cagagaaagg	ctgacagccc	gctctgcata	cctctctggt	ctcagaaacc	3840
aggagtgagt	cacacaacca	gctctccctc	ctgctgtgct	cttctgcact	ctcccaagcc	3900
cctgggcact	cgggaagttt	attagggcag	ggggacttag	gttagtggct	gatgtgtgtc	3960
tgtcaccaaa	ggccaggcca	ggccaggcca	tgatgcactt	tcttgattac	tcaattctgc	4020
aaatagatag	ataaagagag	ccccttcttc	cctccctatg	tgcaccccaa	tacagaacat	4080
cagataacaa	agccctattg	tccagcccca	gtaaccacca	cagagaatgt	tctgcagccc	4140
caggggacaa	aaggacaaat	agaggctttt	ttcttaactt	agggctttgc	agaaaattca	4200
agaatttcac	ttagggctct	cagtcc				4226


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<400> 5032
ccttgagact cgacatccag agttttttgt ggcctagtga tgtaggcact cttctgccac 60
acaaccaatg gtgattactg aaattccaaa ctctgaaaa gagctatcgg cccagtgggt 120
tcttttagaa ggccggttgt gtggcaccaa aaagcaattg ctccctccat tcctactacc 180
tggaacacaa aactttttaa ttcatgccag ttcaattgga acagtagcaa atttcatgaa 240
gcagctaaaa agaagagcaa cagctggtac atcaggcatt aataatataa caaaggaaga 300
aaaaagagaa atttttcatt agtacttttt gatgtcaatt tattatttat ccctttgcc 360
gtattcaaac agacaggcag tcataaaaca ttaaaaaaga tcctttaaaaa cggtcaggca 420
tctgttttac ctgagttcct ttttagaaac ctggaaatca ggagccccgg cttttatgct 480
atagcaagtt tgacacttgc tgtatcaaaa atattgcttg aggatcacta cgtagaaaga 540
gttttggtta aaattttatg aaaggctggt taggcaggca gacaatgggt tctaaggcaa 600
gatccagttg aaatcaggca atgtgctggt tcccaactgt ttgactcctc agttcatatt 660
ctgaaaccgg ggggcgtttg acaaaaccca ctgtttcagt taattaggca tcctgtcaaa 720
tctttccaat caaggactag gcatgctgca cctggctcta gggttaaaaa acacattgtg 780
gggggcaatt ctgatgtgac cctcaggggc ccgctggcca tgctcagaac tggcattcag 840
cgtgcatgcc ataattacca tccacacaaa ataagtagac ctcttgtcc agcagctctg 900
agagattctg cctaactcta atgacctgcc acaccatttt aacttctttg ataaatgtct 960
atccttgtga ttttagacct tcctctcctg taaagaaggt atctcttcct gggacagaag 1020
actctcaga agtagaatca ctgtagaaat aaagcaaatg aaaaatggag aagcaaaaac 1080
caaagtaaaa cagaagcctt aacagccctc tccccagcag gagcttggtg gaggaggtgt 1140
gggtgctgag tccccctcc ctagcttgct ttgccctcag tgctctgggt gcttttgct 1200
ttccaggtag tgcctttggt gtagaggcca tggctcctga tgtacgtgat gacagcatcg 1260
ggaatcaggt actttacgct ctgcccttgg cccaaggctc gcctgatgta tgtggcactg 1320
atctcattct gcacaggctc cttggccagg tgaatgttgt gctggtgcat ccgtaggatg 1380
ggagattctg cgatgtaacc ttttgggtcg tgacctactc ggcccacgca caccaagcca 1440
aacttctcca ctatttctcg gatgtgcgca tccttcaga gggtgggggt ctggaagggtc 1500
ttcaagacgt ctgccccaca gagaagcttc agctcaggca cagctgcagg ggtcgagaag 1560
agtgccttgc catggtctgg gccttccatc tggggtggag atctgagcag tttgctgtga 1620
tgatgcctca gcacctcac tgtctccatc agccgggcca tggccactcg gtgatgagaa 1740
accgggatcc agtcggatgt ctgcagggcc agccgggcca tggccactcg gtgatgagaa 1740
gctgcgaggt ctttcttccc ataggtgtcg ttgacaggag agatgatacc ctggatgacc 1800
tggtacattc ctgtttggtg taggtgatct ctggccacct caaacatgcg cagggtgatg 1860
ttggtgatgg ggttaaagga gccacaggcc aggagcacca cagggtattcg gctcttcac 1920
ttgtcaggca catccacacc tgttgacagt caagtgcaa 1959

```

```

<210> 5033
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (2)...(143)
<223> similar to gil872200 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5033

```

tttttttttt	ttagtagaga	tggggttttg	ccatgttggc	cagggtggtc	tcacactcat	60
aggctcaagt	aatctgcccg	cctcagcctc	caaaagtgtc	gggattacag	gcgtgagcca	120
ctgtgcccgg	cctgacttca	aatcctgtgt	tgaatagaag	tagtgagagc	gggcatcctt	180
ctcttgttcc	tgatcttgga	ggcaaagatt	tcagtctttc	atctaaaatg	actgaaagac	240
tttcagccat	gggccttgca	tgactggcct	ttattttgtt	gcagtatat	ccttctcttc	300
ctggtttgtg	gagtgtttta	ccaggaaaag	gtgttcaggc	tgggcacagt	ggctcaagtc	360
acacaaaagt	gtcaagtcag	ccctgcccac	gggccccagt	gcccattctc	ctgctgaggg	420
gctgggcctc	accttggtcg	gctgggcccc	tcccacctgg	atccctgcag	acccaccgcg	480
actcagcctc	acacgaaa					498

<210> 5034
 <211> 1349
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1351)...(332)
 <223> similar to gi687827 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5034						
ggcagtcctgc	tgacccttg	aagatgaagg	agaaatggga	gaaggcagag	gggtcaggtg	60
ggggctgcca	gaggaagcgg	ccctgagctg	ctgggtccca	gtccctccct	cataagcaaa	120
gctgaggccc	tcagggttacc	acgggacact	gttaagttaa	ttctaggggtg	agtgggtgcc	180
caagggggggc	agtgagtatg	gccgaggtca	cctgggtggca	gggtgctcag	ggatggccac	240
aggttctata	gggccctgca	gggcctgagt	ctctagtcag	ttgggatgct	tcaccttctg	300
ccccaccca	agggggttg	ggcagtcag	gatgtagtag	ttttcgtaat	tcgcagggat	360
cagtgatggg	cactgagcag	gcttgattct	cacacacata	tgagtggtcc	tggtcttcca	420
accgtcggag	ggtactcagg	aaaggcagct	ggcgggacag	gaagctcgag	gggtcccat	480
cagccagaat	cagcaccttg	ttaggaatgt	agacagagtg	gacgcactgc	accagggcct	540
tggtgtcctt	ggcctgacgg	tctccacaga	tcacgatctg	cttgaggggtc	tgctgctggg	600
ctgagagggc	gcggaccatc	tcgggcaacg	ccaccgggac	acgacgcatg	cgctcggaaa	660
aggcgggcaa	taggcacaca	cacttggtcca	tccagtcctt	gtggcccgtg	aagccatgca	720
gccggagcag	ggtgtgggct	gacacggaat	tggcgctggg	ctctgctcca	tcctgggtcgt	780
ccttcagacg	caggggcagg	ccagccccc	gctcagcctc	actgcagaag	tagccgccac	840
cctgggagtc	ccaaaagagc	ctgtcctgtg	tgtcctgcag	ccgcagagcc	cactcgagcc	900
acgcactctc	ctgtgaggcc	tcatcacagt	ccagcaggcc	ccgcaccacg	aaggcgtagt	960
cctccaggaa	gccccagcag	ggtgggttgc	tgtgctccac	agtcccccca	gggcccgtgt	1020
agcaggtccg	catcaggcgg	ccactggcca	catcaaact	gtgccgcttc	aggaacttgg	1080
caccattggt	ggcatagttg	atcagcctgt	cctggcccag	gacagcccca	gtcacagcat	1140
agcctgacac	catcaagcca	ttccaggcag	ccagcatctt	gctgtccagg	tgccggcttg	1200
gccgatgctt	ccgggccttg	aagagcttct	ccagccctga	attgagcaag	gtccgcacgg	1260
cctccacatc	caagccaaag	cgggcagcag	tcagctccag	cgagtaccgg	acggtcagca	1320
cattctggcc	ctgcagctcc	cccttgggg				1349

<210> 5035
 <211> 1911
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1912)
 <223> similar to gi3882283 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5035

gagccatcca	tcggggagtt	taatgagcag	gttctgcgac	tgatgcacag	ccttggaata	60
gatcagcaga	aaaccattga	gtctttgcag	aacaagagct	ataaccactt	tgctgccatt	120
tatttcttgt	tgggtggagcg	cctgaaatca	catcggagca	gtttcccagt	ggagcagaga	180
cttgatggcc	gccagcgctcg	gcctagcacc	attgctgagc	aaacagttgc	caaggcacag	240
actgtggggc	tcccagtgac	catgcattca	ccgaacatga	ggctgctgcg	atctgccctc	300
ctcccccagg	catccaacgt	ggaggccttt	tcatttccag	catctggctg	tcaggcggaa	360
gctgcattca	tggaagaaga	gtgtgtggac	actccaaagg	tcaatggctg	tctgcttgac	420
cctgtgcctc	ctgtcctggt	gcggaaggga	tgccagtcac	tgcccagcaa	catgatggag	480
acctccattg	acgaagggct	ggagacagaa	ggagaggccg	aggaagacc	cgctcatgcc	540
tttgaggcat	ttcagtccac	acgcagcggg	cagagacggc	acactctgtc	agaagtgacc	600
aatcaactgg	tcgtgatgcc	tggggcaggg	aaaattttct	ccatgaatga	cagcccctcc	660
cttgacagtg	tggactctga	gtatgatatg	gggtctgttc	agagggacct	gaactttctg	720
gaagacaacc	cttcccttaa	ggacatcatg	ttagccaatc	agccttcacc	ccgcatgaca	780
tctcccttca	taagcctgag	acctaccaac	ccagccatgc	aggctctgag	ctcccagaaa	840
cgagaggtcc	acaacaggtc	tccagtgagc	ttcagagagg	gccgcagagc	atcagatacc	900
tccctcaccc	aggggaattgt	agcatttaga	caacatcttc	agaatctggc	tagaaccaaa	960
ggaattctag	agttgaacaa	agtgcagttg	ttgtatgaac	aaataggacc	ggaggcagac	1020
cctaacctgg	cgccggcggc	tcctcagctc	caggaccttg	ctagcagctg	ccctcaggaa	1080
gaagttttct	agcagcagga	aagcgtctcc	actctccctg	ccagcgtgca	tccccagctg	1140
tccccacggc	agagcctgga	gacccagtac	ctgcagcaca	gactccagaa	gcccagcctt	1200
ctgtcaaagg	cccagaacac	ctgtcagctt	tattgcaaag	aaccaccgcg	gagccttgag	1260
cagcagctgc	aggaacatag	gctccagcag	aagcgactct	ttcttcagaa	gcagtctcaa	1320
ctgcaggcct	attttaatca	gatgcagata	gcagagagct	cctacccaca	gccaagtcag	1380
cagctgcccc	ttccccgcca	ggagactcca	ccgccttctc	agcaggcccc	accgttcagc	1440
ctgacccagc	ccctgagccc	cgtcctggag	ccttcctcog	agcagatgca	atacagccct	1500
ttcctcagcc	agtaccaaga	gatgcagctt	cagcccctgc	cctccacttc	cgggtccccg	1560
gctgctcctc	ctctgcccac	gcagctacag	cagcagcagc	cgccaccgcc	accaccccct	1620
ccaccaccac	gacagccagg	agctgcccc	gcccccttac	agttctccta	tcagacttgt	1680
gagctgcaa	gcgctgcttc	ccctgcgcca	gactatccca	ctccctgtca	gtatcctgtg	1740
gatggagccc	agcagagcga	cctaacgggg	ccagactgtc	ccagaagccc	aggactgcaa	1800
gaggccccct	ccagctacga	cccactagcc	ctctctgagc	tacctggact	ctttgattgt	1860
gaaatgctag	acgctgtgga	tccacaacac	aacgggtatg	tcctggtgaa	t	1911

<210> 5036
 <211> 1976
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)...(1108)
 <223> similar to gi3560166 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5036

tttcgtcaag	agtggagatg	acccaccggc	catgagacag	ggcagtgagc	acacgtatga	60
gagctgtggt	gacggagtcc	cagccccgca	gaaagtgctt	ttccccacgg	agcgactgtc	120
tctgaggtgg	gagcgggtct	tccgcgtggg	cgcaggactc	cacaaccttg	gcaacacctg	180
ctttctcaat	gccacccatcc	agtgtcttgac	ctacacacca	cctctagcca	actacctgct	240
ctccaaggag	catgtctcgca	gctgccacca	gggaagcttc	tgcatgctgt	gtgtcatgca	300
gaaccacatt	gtccaggcct	tcgccaacag	cggcaacgcc	atcaagcccg	tctccttcac	360
ccgagacctg	aaaaagatcg	cccgacactt	ccgctttggg	aaccaggagg	acgcgcatga	420
gttcctgcgg	tacatttttt	ttgccatgca	gaaagcctgc	ctgaatggct	gtgccggggt	480
ggatcgtcaa	acgcaggcta	ctaccttggt	ccatcaaatt	tttggagggg	atctcagatc	540
acgcgtgaag	tgctccgtgt	gcaagagcgt	ctcggacacc	tacgaccctt	acttggacgt	600
cgcgtggag	atccggcaag	ctgcgaatat	tgtgcgtgct	ctggaacttt	ttgtgaaagc	660
agatgtcctg	agtggagaga	atgcctacat	gtgtgctaaa	tgcaagaaga	aggttccagc	720
cagcaagcgc	ttcaccatcc	acagaacatc	caacgtctta	accctttccc	tcaagcgctt	780
tgccaacttc	agcgggggga	agatcaccaa	ggatgtaggc	tatccggaat	tcctcaacat	840
acgtccgtat	atgtcccaga	ataatggtga	tcctgtcatg	tatggactct	atgctgtcct	900
ggtgcactcg	ggctacagct	gccatgccgg	gcactattac	tgctacgtga	aggcaagcaa	960
tggaacgtgg	taccagatga	atgattcctt	ggtccattcc	agcaacgtca	agggtgggtt	1020
gaaccagcag	gcctacgtgc	tggttctatct	gcgaattcca	ggctctaaga	aaagtcccga	1080
gggcctcatc	tccaggacag	gtcctccttc	ccttcccggc	cgcccagagt	tgattccaga	1140
tcactccaag	aagaacatcg	gcaatgggat	tatttcctcc	ccactgactg	gaaagcgaca	1200
agactctggg	acgatgaaga	agccgcacac	cactgaagag	attggtgtgc	ccatatccag	1260
gaatggctcc	accctggggc	tgaagtccca	gaacggctgc	attcctccaa	agctgccctc	1320
ggggctcccct	tcccccaaac	tctcccagac	accacacac	atgccaaacca	tcctagacga	1380
ccctggaaaag	aagggtgaaga	agccagctcc	tcacacagcac	ttttccccca	gaactgctca	1440
ggggctgcct	gggaccagca	actcgaatag	cagcagatct	gggagccaaa	ggcaggggctc	1500
ctgggacagc	agggatgttg	tcctctctac	ctcacctaag	ctcctggcta	cagccactgc	1560
caacgggcat	gggctgaagg	ggaacgcagc	gagcgtggc	ctcgacagga	ggggctccag	1620
cagctccagc	ccagagcact	cggccagcag	cgactccacc	aaggcccccc	agacccccag	1680
gagtggagcg	gcccattctct	gcgattctca	ggaaacgaac	tgttccaccg	ctggccactc	1740
caaaacgccg	ccaagtggag	cagattctaa	gacggtgaag	ctgaagtccc	ctgtcctgag	1800
caacaccacc	actgagcctg	caagcaccat	gtctcctcca	ccagccaaaa	aactggccct	1860
ttctgccaaag	aagggtgggtg	tgtggggggtc	tcgccgctgc	tgtgtatcaa	gagagctcca	1920
agagttgctt	ggttgtgtgt	tgaagggagt	gagaacattg	tccggggggt	ttggcg	1976

<210> 5037
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)...(368)
 <223> similar to gil469868 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5037
tatttcgtct ccctgcaggt ggaggtagaa tcgaggaaca gtccggagaa ggaggagcga      60
gtgcctgccg aggagatcac ctatgagaca ctgaagaaag ccattgtgga cagcgtagca      120
gtggaggagc aggagcgtga gcggcgggcg cagggtggtgg agaagttcca gaaggcacc      180
ttcgaggaga ttgtgcaca ctgcggggcc cgggcatcgc tgctccagag caaactcaat      240
cagatctttg aaatcaccat ccggccccc ccaagcccat caggaacccat cactgcagcc      300
tacggtcagc cgcagaacca ctccatcccc gtctacgaaa tgaagtttcc cgatctgtgt      360
gtatactgaa ttccaagagc ctgagctcct caaggagatg gggctctgagg aggggctc      418

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```

<210> 5038
<211> 1240
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1108)...(126)
<223> similar to gil213541 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5038
tttttttttg ggaagaatgt gtcattttct gaatcccttc tccactgacc cactttccat      60
ccctccacac aacttcagta ggttgatggc ttctactggg ccaggccctc tgaccccgag      120
tagggcctca gggactttcg ggccttttcc aaaatttcc cctgatctt ggggtagtcg      180
gggtgctccc tgaggacatc gttgcagatt tcgatggcct ccacaaattt cttgtccttc      240
aggtagttga aagcaagttt gaagccaatg gcagggttgg cgtgatgact gtacttccag      300
gccagtttgt agttggtgac tgcattcctg taggactgct ctttctccat gatgaagccc      360
atgtactcat aggccttgta gcaggacttg ttgtattgca cacagcgccg cagcagttct      420
aaggcgaggt cgaacttgct gccctggcag taaatgtcag ccagcaggag ccagctcttc      480
tccaggtcct cagcctcact cagcaccag ggggtcttgg ccaggcgctt caactgcata      540
cgcgccttgg ggatctgctt caggaacacg taggcttgtg ccaaggccag cagggcaggg      600
acgtctgcct tctcagcctg cgctatctgg atgaagctgc ccagcgagc ctccatgtta      660
gccttctccc tgggtggccag ccggcagagg ccctgcagca gccgcagctg ggtctggctg      720
gagtcctgaat gtgggtaaaa ctcacgcagc agtttctcgg cgggtgctcac accctgctgc      780
tccaactcct tcttctccat gtagttgctc tcagctccct ggttctcaaa agcctctccg      840
cccacaacct cgttgtctgg attcagacag atctgcacca tgtggtagat ggcgctctgg      900
ccccaaagtgc tgtccttgcg tgccttggtc aggaacttta aggcctcggt gggctgcctc      960
atgtgccagc agtagatacc tctgcagtaa ttgaacctg gttccaaagg caccgggcta      1020
gacaccttct tggccaattc aaagaaggca ggaatgtctt caagttttcc acttcttctt      1080
agcagatcga ttaatttatg caataccaaa aaattgtcta aaataagaga cagaaatctc      1140
caggctgaaa tgccagtag ctgttatcag atgagggtgc tggggcctta ggagaagcca      1200
agagatactg cccatctggg ctgagcaggg acattccaac      1240

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<210> 5039
 <211> 1780
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (13)...(617)
 <223> similar to gi5824481 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5039

cggtggaatt	cgatggatgc	ctgcaacagc	tacagcaagc	tgaattgctt	agtggcgccc	60
acactcttcc	tggagttcca	tggctcccag	caggcactgg	aggagcagct	gcagcgca	120
gaggagatag	tccagcagaa	cggagcctct	gacttctcct	gggccaagga	ggccgaggag	180
cgcagccggc	tttgacagc	acggcacaa	gcctggtacg	cagccctggc	cacgcggcca	240
ggctgcaagg	gctactccac	ggatgtgtgt	gtgcccactc	cccggctgcc	ggagatcgtg	300
gtgcagacca	aggaggatct	gaatgcctca	ggactcacag	gaagcattgt	cgggcatgtg	360
ggtgacggca	acttccactg	catcctgctg	gtcaaccctg	atgacgccga	ggaactgggc	420
agggtaagg	cttttgaga	acagctgggc	aggcggggac	tggctctcca	cggaacgtgc	480
acgggggagc	atggcatcgg	aatgggcaag	cggcagctgc	tgcaggagga	ggtggggcgcc	540
gtgggcgtgg	agaccatgcg	gcagctcaag	gccgtgctag	acccccaagg	cctcatgaat	600
ccaggcaaag	tgctgtgaag	gggtctgag	cacttagccc	acaagttccc	tgactacgga	660
gccggttctg	gaacttttct	tcatgccacg	gcccctgcaa	ggaaatagat	gctgaggcag	720
tcttcctgcc	agcgagccca	ctgtatctgg	gcccaggccc	agagggccca	gagagaagcc	780
tgagcacctg	gttacctccc	tggccctctg	gctggccccc	aggagccttt	ggttcaagta	840
aacgacccca	gggtgggtcc	ccagcaaagc	tgcttccctc	ctgctcctac	gcacccctgc	900
ctggcgggaa	gagagcgtct	gggtccattc	aagactctga	tgacacccct	ccccgaggcc	960
tccactgcc	gggttcccag	gaccttccc	ccttcacctg	gtgacaggaa	cactccttcc	1020
ctggtatgga	acgtgagctc	ccgtgacatg	atgataggtc	ttctccttgg	ggcctcccc	1080
aataaatctg	taataaacct	gaaacccacc	tacagctacc	tggaaagtcag	caggcagcac	1140
ttcctccct	ccccctccag	ggtctctgtc	ctttggtcag	tgaccccttt	gttttggggc	1200
tgctcctctg	cttcttatag	cctggggagg	aggttgggtg	tcagggttcg	gaaaggaacc	1260
caggtccctg	tcccagctac	tccgcctcag	agctgaggac	ctgcccacgg	cacatgtcac	1320
tcaggatggg	ctccccaa	gggcctgaac	cgggcctctg	aacacactga	atgtgttcct	1380
cagcagctgc	cacgtctcta	gaaacagaga	tgagactatt	tttgaccca	cctcttcatg	1440
gggtgatgta	tcgtaaccac	agctgttttg	ccctcaagg	ctgtccaccc	gagggcctgc	1500
ccctgtcttg	ggccggagcc	cgtcttgaga	ccttggcagt	tgttcccccc	taagcccaca	1560
ggagggcgcc	cgaatcatg	aagctcagat	accacgcggc	atctgcagct	cacgactcct	1620
ctgcccaggg	cctgcggcac	tcagccctgg	gcaaacctcc	tcctatgggt	aggtaagtcc	1680
tggcagcctg	gaagccaagc	tagtctctca	tccctgcag	gtcccaggaa	cctgcagtgc	1740
tgtctcatct	tccttgcccc	tctagccttc	ggtccctttg			1780

<210> 5040
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)...(170)
 <223> similar to gi3341906 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5040
 ctcgcaggcc gcaaggtgct gctcttcgtc tcaggctacg tcgtgggctg ggggtcccatc 60
 acctggctgc tcatgtctga ggtcctgccc ctgcgtgccc gtggcgtggc ctcagggtc 120
 tgcgtgctgg ccagctggct caccgccttc gtctcacca agtccttctt gccagggggg 180
 gtgagtgttc agccccaggc cccaggcccc taggcctct ctgactggcc aggacccttc 240
 tcagtgccag gggctgtgcc aaggcctgct gtcaggaccc taactctcag tgaccctagg 300
 agatgagcac acacccctg aactcagaga cccagagtgt gtcacgtgat agcctagcaa 360
 acgctcttca ttataagaaa caggaacggg cgtatgcaac tgctctggta agtcagggtta 420
 g 421

<210> 5041
 <211> 628
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(549)
 <223> similar to gi2289244 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5041
 cagtatatc ggtgctcttc gaactggtgc ttatatggtg tacattttga tgaccaaagg 60
 cctgaagcag tcagtttgtg accagggttt ttacaatgga cctgtcagca aattctgggc 120
 ttatgcattt gtgctaagca aagcaccoga actaggagat acaatattca ttattctgag 180
 gaagcagaag ctgatcttcc tgcactggta tcaccacatc actgtgctcc tgtactcttg 240
 gtactcctac aaagacatgg ttgccggggg aggttgggtc atgactatga actatggcgt 300
 gcacgccgtg atgtactctt actatgcctt gcggggcgga ggtttccgag tctcccggaa 360
 gtttgccatg ttcatcacct tgtcccagat cactcagatg ctgatgggt gtgtgggttaa 420
 ctacctggc ttctgctgga tgcagcatga ccagtgtcac tctcactttc agaacatctt 480
 ctggctcctca ctcatgtacc tcagctacct tgtgtctctt tgccatttct tctttgaggc 540
 ctacatcggc aaaatgagga aaacaacgaa agctgaatag tgttggaact gaggagggaag 600
 ccatagctca ggggtcatcaa aaaaaaaa 628

<210> 5042
 <211> 850
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (851)...(538)

<223> similar to gi5902966 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5042

cagtactcca	atcaacattt	atgtgcagga	tcatcaacag	acagaccatt	ttacagtttt	60
cagaattaaa	gtcttctagt	tgcagtgaag	tcttgaatct	ggatcacctg	gattcatgca	120
agatggcaca	gggtgcttgt	catcatctac	atatagagtt	agcttttttt	gcccattgcac	180
aatgtttctt	tatcaataat	gaagctggat	gataccaaat	agattctatt	gctttattga	240
ttattacttt	cattaaacaa	tgtagccat	ataggatgat	taaaaaaaca	actaatatcc	300
ttggaatatg	aacatcctat	taactgatac	aaactgactc	cacctttctt	atagcagtga	360
attttcaggt	cacatacaat	cagtaattta	tactccaaat	acaacaatca	cgtttgtatt	420
aatcatccag	tacaattcac	aggttcctat	tacacaggtg	gatgtactta	gagagtttta	480
gcacaaaagc	tgatacaaat	atgaaagtgt	gctcagtcga	atgggttagtg	aggtgctaca	540
ggtgagtgct	ggcgatgggt	atcctcctga	gctccacgat	ctgggagtc	gtcaaggtgc	600
ccccctcctg	gctgccttga	ccagattcat	tatcactgac	actgagacca	gcaccagttt	660
ttaatgcaaa	tattaaatca	tcaaactcct	gggactcctc	atcggctatc	agtgaccctt	720
ggccatatcc	tccagaggac	gggaacgtgg	ctccattttg	tggacttggc	tttaaatcag	780
ggctggcctg	actgccctgt	tggaaggatg	ctctctccca	gtcaggtggc	acctcctcca	840
tagcaccgat						850

<210> 5043

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (14)...(522)

<223> similar to gi297402 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5043

cttgacatgg	ccccagctct	tcttggagac	cctgccggag	ctcctgcaca	tgtcccgcgc	60
agcagaggat	ggaccagcc	ctggggccct	ggtgcggagg	agcagctccc	tgggatacat	120
ctccaaggcc	gaggagtact	tcttgtcaa	gtccgcaggt	gacctcatgt	tcgagaagca	180
gtcagagcgg	catgggcttg	ccaggcgcct	caccactgca	cgccggcccc	cagcaagctc	240
tgagcaggcc	cagcagggaac	tcttcaatga	gctgaagcca	gctgtggatg	gggcaaactt	300
cattgttaac	cacatgaggg	accagaacaa	ttacaatgag	gagaaagaca	gctggaaccg	360
agtggcccg	acagtggacc	gcctctgcct	gtttgtgggt	acgcctgtca	tgggtggggg	420
cacagcctgg	atcttctctg	agggcggtta	caaccagcca	ccaccccagc	cttttctctg	480
ggacccttac	tcctacaacg	tgcaggacaa	gcgcttcac	taggggtggg	ctgttggggg	540
gccaggagac	agcagggtct	gagagaggag	ccacagtccc	taatgacacc	cactcctagc	600

cctgaggctc	gtgcccctca	gactggggaa	gagtccaagg	aagggaggga	gcagccactc	660
ctcaatgctc	aatggctccc	ctgaaatcaa	gacaggggcc	acccgagatg	gtctgagggt	720
ggacatcggc	tacagtgggt	gggcaggacg	atttgggggg	aggcccgagg	ctggctcagg	780
ggccaggggag	gagaacactc	agggtggcct	cagggggaga			820

<210> 5044
 <211> 841
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(842)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (812)...(319)
 <223> similar to gi297437 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5044						
tttttttttt	ttcaccattg	aagaacctgc	attatcgttt	attgtgatcc	taattcggtc	60
cacagtaaca	attgaaactg	cctcgactaa	attttaagtt	tctggggcag	caccaccatg	120
aaggcagcga	ctgccttttt	aaaagacagg	gttctgacat	tcagagattt	ctgtttctct	180
atccatcatt	tttgggcata	ttgaatcacc	tgatttagag	tcagtgacat	cctgactgga	240
ttggttctgc	tctcgctggg	cggttgagac	ccccagaccc	acgtccacag	tgcacctgat	300
gttctccag	cggtcgtcac	ttccccaaag	aggccaggta	ggcataccag	aacagagctg	360
ccaggttggc	gaagagcacc	cggaacttca	gagggacgta	gttgatggtg	atgaactgta	420
gtggcggtcca	caccgcagc	ttcatcctca	gcgcgggcca	gaagcccccc	ctcatcttgg	480
cggcgaaggc	tgaggcgtct	ttcccctcca	gaaagtcat	gatgaggaag	aacaacatga	540
ggaaggccgg	tgcaaagacg	aggcgggtcca	ggagaagcct	cctgagccct	gccaggggga	600
cctcaggagg	gatccaatgt	tccatgaaga	agtagaagaa	gtgactcagc	ggccctgtga	660
agaagaaccc	gtaaacggca	tatctcagag	gcccaccgac	atccagactt	ctagagtttt	720
cttttttccg	cttctttctca	atcatctggg	ccaggaagtt	cccaagtgtc	gacaaaatgc	780
cactggtggc	cgccttgggtg	agcaccggga	attccaccac	ncggactaag	gtcctcaagg	840
t						841

<210> 5045
 <211> 1988
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (34)...(759)

<223> similar to gi200785 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5045

agctgcacca	ctagaaagat	ggcggagcaa	gagcaaagaa	aaatcccttt	ggttccagaa	60
aatctcctga	aaaagaggaa	ggcttatcaa	gccctcaaag	cccccaggc	aaagcaggca	120
cttttgga	agaaggagca	gaagaaagga	aaagggctca	ggtttaagcg	actggaatca	180
ttcctacatg	attcctggcg	gcagaaacgt	gacaaggtgc	gtctcagacg	actagaagtg	240
aaacctcatg	ccttggaatt	gccagataaa	cattccttgg	cctttgttgt	acgcatcgaa	300
aggattgacg	gcgtgagttt	actggtgcag	agaaccattg	caagacttcg	cctaaagaaa	360
attttttagtg	gtgtctttgt	aaaagtcacc	ccccagaatc	taaaaatgct	gcgtatagtg	420
gaaccttatg	tgacctgggg	atttccaaat	ctgaagtcgt	tccgagaact	cattttgaaa	480
cgtggacaag	ccaagggtcaa	gaataagacc	atccctctga	cagacaatac	agtgattgag	540
gagcacctgg	ggaagtttgg	cgtcatattgc	ttggaagacc	tcattcatga	aattgccttc	600
ccagggaagc	atttccagga	gatctcatgg	ttcttgtgcc	ctttccacct	ctcagtggcc	660
cgtcatgcta	ccaaaaatag	agtgggcttc	ctcaaggaga	tgggcacacc	tggctatcgg	720
ggtgaacgca	tcaatcagct	catccgtcag	ctgaactaga	cccagggtgcc	aaactgcggt	780
aaatttttta	tcagtgaagt	ggaagcatgt	gttttgtttt	ggaaattttt	atcaagtatc	840
ttcagagaag	attatttcct	gctttatctt	cagaaactgg	aaaggggtcaa	agaaaagaca	900
gtagctggcc	ggtcgtggtg	gctcatgcct	gtaatcccaa	cacttaggga	ggctgaggtg	960
ggcagatcac	ctgaggttgg	gagttcgaga	ccagcctgac	caacatggag	aaatgccatc	1020
tctactaaaa	atacaaaaat	tagccgggca	tgggtggcacg	tgctgtaat	cccagctact	1080
caggaggctg	aggcaggaga	atcgcttgaa	cctggggaggt	ggaagttgca	gtgagctgag	1140
atcacgccat	tgcaactccag	cctgggcaac	aagcgaaact	ctgtctcaaa	aaaaaagaaa	1200
agacagtagc	atatgttcat	gtcaagcacc	tctcatcaca	gtcgagttcc	aaggaaaaat	1260
tccagcgttt	tctgcattgg	gtgctgtgtc	atctgaaatc	ggcacattcc	atggaggaag	1320
gagtcctgct	ttgttgcatg	tatcctaggg	tttaatgttg	gtaaatgagt	cactctagca	1380
tttgtagaag	gctccctgag	actcctgcag	cagtcgacca	agcccaagga	cataattgaa	1440
tctggagagt	cctggggcct	tgttttgaaa	aagacttgaa	atacacatag	gaagaaaggc	1500
ataaaaaataa	atgttcactt	gtctctgctg	tgagtatgtg	ttccaacttt	tcagtgatgg	1560
ctttgagaat	tctcaaactt	gactggctct	aagtgtatct	ggtggctttt	gtatcgtaac	1620
ctgaaactgg	cttagtactt	tttcctaaaa	gctcaggatt	tgagaatgag	gacccttcg	1680
ccaggaaaac	atgtatacac	tcaaaatttt	gcttgacagt	ctagggtgtt	tagacccttc	1740
tcagatacct	gtgcatctta	tgggttttgt	ttttctcttt	gagacagtct	caccctgttg	1800
cccaggctgg	agcgcagtgg	cgtgatctcg	gctcattgca	gcctccacct	cctgggttca	1860
agtgattctg	cctcagcccc	ttgatcagct	gggattgcat	gcatgtacca	ccacaccg	1920
ctaattcttg	tatttttagt	agagatggag	acagagtttc	accatgtagg	tcaggagttc	1980
gagaccgg						1988

<210> 5046

<211> 1346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (20)...(706)

<223> similar to gi2636482 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 5046
ggtggtggaa ttcgcggatg tggagaagaa aggtgctggc aggacagagt tccgctaccc 60
ttcctatgtg cagcacatca tgggggacat attctcccag ggatttgggc ctttccgctg 120
ggtgtgcaca tcggggggacc cccaggacct ggcggtcaca gacgaactgg ccacatctgt 180
gctggaggaa gccattgctg atggagttaa ggtgtctgtg aagctgcagt acatggacaa 240
catccgctgg atccgggagg ccgcccaggca ccggctggtg gtgggctccc aggcaaggat 300
cctgtactca gaccagaagg gccgcgtggc catcgctgtg gccattaacc aggccatcgc 360
ctgcaggagg atcaaggcgc cgggtgtcct gagccgagat caccatgacg tgagcggcac 420
cgacagcccc tttaggggaga cctccaacat ttacgacggc tctgccttct gtgcagacat 480
ggctgtgcag aacttcgtgg gagatgcctg tcgcggagcc acctgggtcg cccttcacaa 540
cgaggggggg gtgggctggg gtgaggtgat caacggggga ttcggcctcg tgctggacgg 600
taccgaggag gccgagggga gagccaggct gatgctcagc tgggatgtct ccaatggtgt 660
ggcccggcgc tgctggtcag ggaaccagaa ggccatgag atcatctgcc agaccatgca 720
ggagaacagc accttgggtg tgacactgcc tcacaagggtg gaggacgagc ggggtgctcca 780
gcaggccctg cagctctgag ggagccagga gtcgcggccc ctgcctccct tcctccctgg 840
cgatcctcac ctgcccagcc atggcacaca cccttcctgc acaccgcac tacctgcaact 900
tctgcacat cctcacgtgg cccttatggt gccctgtgca ggggtgccacc acagcctcat 960
tttacagaca gcccctgag gccagagac atgcagctct ctgtccacaa ccatgccact 1020
tgcatgggag ccctgaaggc tgtcaaagtc catttagggc caagtccaa gcctgcccgg 1080
gggcccctgc gtgaacactg gtcaagctct ctccggctgg gatgatcaca ccctctgctt 1140
cctggccacc tgccagcctc catgcaactc tgtctgtctg ctgcccattc gctgtctgtg 1200
caagcaactt ctggaccctg gcaaccctggg ctgctggcct ggaggagtgc ggggaaggagg 1260
atagaccagg aaataaaggg tcaacagagc tgtgtgctgc actgtgggct ggtgggacgg 1320
ggcaggccgg gtcttgccca aggata 1346

```

```

<210> 5047
<211> 672
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(656)
<223> similar to gi2781386 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5047
tcctgtggtg gaattcgagg cccacctggg tgacaccttg atcatcaagt gtgacaccaa 60
gcagcaaggg atgaccaagg tgtgggtgac accaagtaat gaacgggtgc tagatgaggt 120
gaccaatggc acagtgagtg tgtctaagga tggcagctct cttttccagc aggtgcaggt 180
cgaggacggt ggtgtgtata cctgctatgc catgggagag actttcaatg agacactgtc 240
tgtggaattg aaagtgcaca atttcacctt gcacggacac catgacaccc tcaacacagc 300
ctataccacc ctagtgggct gtatccttag tgtggctcctg gtcctcatat acctatacct 360
cacccttgc cgctgctggg gccgggggtg agagaagcct tccagccatc aaggagacag 420
cctcagctct tccatgctta gtaccacacc caaccatgat cctatggctg gtggggacaa 480
agatgatggt tttgaccggc ggggtggcttt cctggaacct gctggacctg ggcagggtca 540
aaacggcaag ctcaagccag gcaacacct gccagtgcct gaggccacag gcaagggcca 600

```

```
acggaggatg tcggatccag aatcagtcag ctcggtcttc tctgatacgc ccaattgtgt 660
gtgagcagga tg 672
```

```
<210> 5048
<211> 1732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (320)...(525)
<223> similar to gi4235356 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
0948325.04100
<400> 5048
tttttttttt tttgcgaaag aacagaagag tataatgttc aacatgcagg gaaaaaata 60
acaatacata tttcagaaat aggagcagct tcagtgcagg cagtatcatg gcagccactc 120
cacgggagga acgggatcct ctgccaaact tgtcagccac tccaactaag cagctgctgc 180
accaggtgtg ttgctgctgt ctttctaagg gttcaagaac atgggctctg gggtcatatg 240
gcctgcgttc acattccagc tccattcata gcctgcatga cctttagcac atgtcttggc 300
ttctctgcct caatttcccc atctcatgga cctgctggcc aaggacgacc agaatggcga 360
ggcggaggcc ttcaaggcag agatcaagaa gaccgacgtg aaagaggaga agaggaagaa 420
ggagctgaac gaaatcttga aaagcacagt gagcagcaac gacaagaaaa ccaaaggccg 480
gacgggctgg ccgcagcacg tctgggcctt ggagctcaag cagtgaggag gaggagaagg 540
aggaggagga gagcgcgagt gagcaggggc caaggcgcca gatgcagacc caggactccg 600
gaaaagccgt ccgcgctccg ctctgaggac tccttgcatc tggaatcatc cggtttattt 660
atgtgcaatt tccttcccc ctctttgacc ccctttgagg catctgctcc ccgtctcccc 720
ctccaaaaaa aaagtggata tttgaagaaa agcattccat attttaatac gaagaggaca 780
ctcccgctgtg gtaagggatc ccgtcgtctc atagattctg tgtgcgtgaa tgttccctct 840
tggctgtgta gacaccagcg ttgccccccg ccaacctact caacccttc cagataaaga 900
cagtgggcac tagtgcggtt gtgaagtgtg tctttaatac ttggcctttg gatataaata 960
ttcctgggta ttataaagtt ttatttcaaa gcagaaaaca gggccgctaa catttccggt 1020
ggggtcggta tctagtgtga tccattcatc tgtggctcgtt ccctctttga agatgtttcc 1080
aacagccact tgttttgtgc acttccgtcc tctaaaacta aatggaattt aattaatatt 1140
gaaggtgtaa acgttgtaag tattcaataa accactgtgt tttttttttt acaaaaacct 1200
taatttttta atggctgata cctcaaaaga gttttgaaaa caaagctgtt atacttgttt 1260
tcgtaatatt taaaatattc agaagtaaac taaattatca tgattgcctc taactttatt 1320
ttaaagactc agtgggttcc aaccagttca ccctgacctg cggcctacgc agaagggagg 1380
gaggggtgctc ttaaagagga aggtgtcctt gttacaaaat cctgcaaata ggtctggggg 1440
tttgtcgggt gtgggtgtct ccttccccctc ttccccccag ctgggggaac ggctggagta 1500
ggtctctaga aggaagatct gggctggaga acccagtcg gcaagtcgct cagaaggtgt 1560
aaaggtgctc ttggctttcc tgaagtcaat cagaagccat ttcttgaggc cgtcagtttt 1620
tgtttgagga gtgtttctgg tggaggagtt gtgaggagaa ccccggcatt attgctgcaa 1680
cggaactag tctggggtgt ttaattcaaa ctatggggct ttcattcaaa aa 1732
```

```
<210> 5049
```

<211> 1223
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(365)
 <223> similar to gil98609 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5049

gcctcacagt	acatcagcga	actcacacag	gggagaactc	ctttgaatgt	aataaatgtg	60
ggaaaacatt	ttactataaa	tcaggcctca	ctaaacatca	gagaaaaacac	acaggggaga	120
agccctatga	atgcacagaa	tgtggcaaat	cttttgctgt	gaattcagtc	ctcagattac	180
atcaaaggac	tcacacagga	gagaagccct	atgcatgcaa	ggaatgtggg	aagtcctttt	240
ctcagaagtc	acattttatt	atacatcaga	gaaaacacac	aggggagaag	ccctatgagt	300
gtcaggagtg	tggggaaacc	tttatccaga	agtcacaact	cactgcacat	cagaagacac	360
acacaaagaa	gaggaatgct	gagaagtaag	atgagttggg	aaattctctt	gactgaatta	420
atccttcaaa	acaatcagat	aattcacaca	agaggtacac	cttatgaatc	gcatcaatag	480
agggaaatth	tcagctacaa	tctttgctct	ctctgtgtat	cagcaaatac	atagagagat	540
tctgtacatt	tatttgaggag	aaaattttat	catatttttag	gcttttctaa	atattagata	600
atatagatgg	cagaagtcac	gcaaattgta	aaacaggaag	gaaacctttc	agaagtcata	660
cttttgthtt	gcaacataga	agtcacacag	gagaaaaatc	ctgtaagtaa	aacgaatgtc	720
atgacatttt	ctgtcagggc	agccagctgt	agacatccaa	aagctcacia	atgagaagct	780
ccttgagtat	ctagaaatct	ctttacacaa	ttggagctca	tgtactagag	aattcaaagg	840
gataactgca	aagacactgg	tagatataga	agcctttatt	aagaattgat	gtttcattca	900
atttcagatc	actggtactt	ggatagatat	tttaaattat	tgggaagggt	tcaataaaaa	960
ttcaaataat	ttgtactgag	ggaaacagtt	atactacaaa	tcatgttgca	gatctgatgc	1020
cgagattgct	ctatthttaaa	aggaaacctg	caaattgtcta	catatatgaa	gctthttaaa	1080
agcacaagtt	atcaggcaac	atcattaaac	atacattaaa	tgtctgttag	catataggat	1140
tttgtgcgta	tgtgagtgtg	ctataacatg	taacttgccg	atgttcagcg	tgcatgtgga	1200
atccatccat	aatggtacat	agc				1223

<210> 5050
 <211> 2763
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (22)...(1090)
 <223> similar to gi5630077 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5050

ccatatccat	gtgggtggaat	tcacacaatt	ggtcagctgc	ttccacagca	gatgcaagca	60
ttccattctc	ctaaagcact	cttccctgtg	ggctatgaag	ccagccggct	gtactggagc	120

actcgctatg	ccaataggcg	ctgccgctac	ctgtgctcca	ttgaggagaa	ggatgggctc	180
ccagtgtttg	tcatcaggat	tgtggaacaa	ggccatgaag	acctggttct	aagtgcacatc	240
tcacctaaaag	gtgtctggga	taagattttg	gagcctgtgg	catgtgtgag	aaaaaagtct	300
gaaatgctcc	agcttttccc	agcgtattta	aaaggagagg	atctgtttgg	cctgaccgtc	360
tctgcagtgg	cacgcatagc	ggaatcactt	cctgggggtt	aggcatgtga	aaattatacc	420
ttccgatacg	gccgaaatcc	tctcatggaa	cctcctcttg	ccgttaaccc	cacagggttg	480
gcccgttctg	aacctaaaat	gagtgcccat	gtcaagaggt	ttgtgttaag	gcctcacacc	540
ttaaacagca	ccagcacctc	aaagtcattt	cagagcacag	tactggaga	actgaacgca	600
ccttatagta	aacagtttgt	tactccaag	tcatcgcat	accggaagat	gaaaactgaa	660
tggaaatcca	atgtgtatct	ggcacggtct	cggattcagg	ggctgggcct	gtatgctgct	720
cgagacattg	agaaacacac	catggtcatt	gagtacatcg	ggactatcat	tcgaaacgaa	780
gtagccaaca	ggaaagagaa	gctttatgag	tctcagaacc	gtggtgtgta	catgttccgc	840
atggataacg	accatgtgat	tgacgcgacg	ctcacaggag	ggcccgaag	gtatatcaac	900
cattcgtgtg	cacctaatgt	tgtggctgaa	gtggtgactt	ttgagagagg	acacaaaatt	960
atcatcagct	ccagtcggag	aatccagaaa	ggagaagagc	tctgctatga	ctataagttt	1020
gactttgaag	atgaccagca	caagattccg	gtgctactgt	gagctgtgaa	ctgccgggag	1080
tggatgaact	gaaatgcatt	ccttgctagc	tcagcgggag	gcttgtccct	aggaagaggc	1140
gattcaacac	accattggaa	ttttgcagac	agaaagagat	ttttgttttc	tgttttatga	1200
ctttttgaaa	aagcttctgg	gagttctgat	ttcctcagtc	cttttaggtta	aagcagcgcc	1260
aggaggaagc	tgacagaagc	agcgttcctg	aagtggccga	ggttaaacgg	aatcacagaa	1320
tgggccagca	cttttgcttt	tttttctttt	ccttttcttt	ttttttggtt	ggtttttggt	1380
ttggtttttc	ccttgggggg	gggtttcatt	gtttgggttt	tctagtctca	ctaaggaaaa	1440
acttttactg	gggcaaaaag	ccgatggctg	ccctgccccg	ggcagggggc	ttcctatgaa	1500
tgtaaaactg	aaatccccac	cgagggggag	agaaagtgtc	gcccacggcc	ttattaaaaa	1560
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aacttttgta	tttattattg	aataagttaa	tgaagctatt	tttaaataaa	gttagaagaa	1800
agccaagctg	ctgctgttac	ctgcagaact	aacaaaccct	gttactttgt	acagatatgt	1860
aaatatattg	agaaaaaata	cagtataaaa	atagttattg	accaaagtgt	accaggctct	1920
gcagcagctc	gggggcttat	aaaatgttca	tagggatgtt	acaatataat	tttgtgttat	1980
aaaatatgcc	attataatta	tgtataaacc	aaaatttcaa	cctagagtgt	tgggggtttt	2040
ttggaaaccg	cagtctatta	gtactcaatg	gttttatata	ccttacttct	gacagagcgg	2100
ggcgtatgct	acgactacaa	cttttatagc	tgttttggtg	attttaaacta	attttttcat	2160
attatattgt	tgcatcccta	cttcttcagt	cagggttttt	tgtgcttaca	atttgtgata	2220
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gtagttttga	ttagaacttt	gtttcagcca	cagagaatca	tgtaaacgta	ataggatcat	2340
gtagcagaaa	cttaaatcta	acccttttagc	cttctattta	acacaaaaat	ttgaaaaagt	2400
taaaaaaaaa	aaggagatgt	gattatgctt	acagctgcag	gactctggca	atagggtttt	2460
tggaaagatgt	aattttaaaa	tgtgtttgta	tggaaactgt	tgtttacatt	tctttaataa	2520
aaaaaacact	gtttttgtgt	tgcttgtagg	aaacttaatc	accattttga	accagggttag	2580
ctttttatatt	tgggtacttaa	aattctggta	ctgacacttc	acaggctaag	tataaaatga	2640
agttttgtgt	gcacaattca	agtggactgt	aaactgttgg	tatattcagt	gatgcagttc	2700
tgaacttgta	tatggcatga	tgtattttta	tcttacagaa	taaatcaatt	gtatataaaa	2760
aaa						2763

<210> 5051
 <211> 1853
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(1011)
 <223> similar to gi5052516 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5051

cggccgcgct	gacatgagct	tgtccgctcag	ctggtagctt	tcattcgtaa	aagagataaaa	60
agagtgcagg	cgcacgcgaa	acttgtggaa	gaacagaaatg	cagagaaggc	gaggaaagcc	120
gaagagatga	ggcggcagca	gaagctaaag	caggccaaac	tggtggagca	gtacagagaa	180
cagagctgga	tgactatggc	caatttggag	aaagagctcc	aggagatgga	ggcacggtac	240
gagaaggagt	ttggagatgg	atcggatgaa	aatgaaatgg	agaacatga	actcaaagat	300
gaggaggatg	gtaaagacag	tgatgaggcc	gaggacgctg	agctctatga	tgacctttac	360
tgcccagcat	gtgacaaatc	gttcaagaca	gaaaaggcca	tgaagaatca	cgagaagtca	420
aagaagcatc	gggaaatggg	ggccttgcta	aaacaacagc	tgaggaggga	agaagaaaat	480
ttttcaagac	ctcaaatgga	tgaaaatcca	ttagatgaca	attctgagga	agaaatggaa	540
gatgcaccaa	aacaaaagct	ttctaaaaaa	cagaagaaaa	agaaacagaa	accagcacag	600
aattatgatg	acaatttcaa	tgtaaatgga	cctggagaag	gagtaaaggt	tgatccagaa	660
gatactaact	taaatacaaga	cagtgcacaa	gaattggaag	atagtcccca	ggaaaatgtc	720
agtgtcacag	agatcattaa	accatgtgat	gatccaaaaa	gtgaagctaa	aagtgttcct	780
aaacccaaag	gaaagaaaac	caaagatatg	aaaaaacctg	tcagagtacc	tgctgaacca	840
caaacaatga	gtgttcttat	cagctgtaca	acctgccata	gtgaatttcc	atctcggaat	900
aaactttttg	accatctaaa	ggccacaggt	catgcaagag	caccttcac	atcgtcttta	960
aacagcgcaa	caagtagtca	aagcaagaaa	gagaaacgta	aaaacagata	gagattctgc	1020
ctgtgctttt	gtttgactgt	ctctagattt	tgaaaccaa	aaactgaact	gaaatcatct	1080
aaagagttaa	aatttcagtg	atctgcaatt	aattacattg	tggaagatta	ttttttatct	1140
tgtaaaaaca	cttttttggg	ttaatatata	tttttaaaac	atttcactag	tgattgaatt	1200
ctacttttgc	catctgaatt	gacttgaatg	tcttaaaaca	ggtaaatact	gtaaagtgtg	1260
tattcttgat	gtttattggc	tcatgtggac	agaaatgtac	agggagaatt	acattatttt	1320
aacacacaga	agtgcacatt	tctgctttat	tttctgaatt	tcacattact	tttacttaat	1380
gcttttgtgt	tttggttaata	cttcataata	tgtgaaaaac	tcggatcttt	taaaaagcat	1440
catagatcat	ttttccatat	gacactgggt	ccgattttta	aaattatttt	taaataaccg	1500
attattgatt	actgtatttt	ttttctcaag	aacagtgtga	ggtagaaaact	aattgaacat	1560
ttggtagtct	ttcaagaata	gtgtctcttc	aagggttttac	ttgatttaat	ttgatatttt	1620
actggtttac	cagtaagggtg	tattgttcag	ttttttgtct	cgattttgaat	tgtggagggtg	1680
gaagcaaatt	agtttacatg	gcatgtcctc	cctaggcaca	gtgacagctg	taaagtatga	1740
cggaacaagg	tagcagatgg	tacagaattt	atactattta	agaagagatg	tggcgtttct	1800
cattgagttt	ttttcttcac	tattttcaga	agtttttgtt	cttttttttt	tcg	1853

<210> 5052
 <211> 2039
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (88)...(735)
 <223> similar to gi5911875 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5052
atccgccaaag cttggcacga ggcctcgtgc catggtctgg ctgcactcag tccctcaagc 60
aagggctcca tggaggctgg cccttacctg ccccgagccc tgcagcagcc tctggaacag 120
ctgactcggg atgggcggct cctggaggag ctccctgagg aagctgggcc tgagctcagt 180
tctgagtgcc gggcccttgg ggctgctgta cagctgctcc ggaacaaga ggcccggtgg 240
agagacctgc tggccgtgga ggcggtgctg ggctgtgaga tagatctgaa ggagcagga 300
cagctcttgc atcgagaccc cttcactgtc atctgtggcc gaaagaagtg ccttcgccat 360
gtctttctct tcgagcatct cctcctgttc agcaagctca agggccctga aggggggtca 420
gagatgtttg tttacaagca ggcctttaag actgctgata tggggctgac agaaaacatc 480
ggggacagcg gactctgctt tgagttgtgg ttccggcggc ggcgtgcacg agaggcatac 540
actctgcagg caacctcacc agagatcaaa ctcaagtga caagttctat tgcccagctg 600
ctgtggagac aggcagccca caacaaggag ctccgagtgc agcagatggt gtccatgggc 660
attgggaata aacccttcct ggacatcaaa gcccttgggg agcggacgct gagtgccttg 720
ctcactggaa gaggtgaggg ccagggtgct ggggggtggc cccagagagt gaagaccttg 780
acaatgagga tacaaagggg aggtatggtg gaaagtgcagg aaaggcatct cgtcccaaaa 840
tcagtgggac tggctgggag gccctctgtg agactgaggg tcattccagg gagccaagag 900
ggctttccca caccagcacc ccacccccca ctccccactc tctgcagccg cccgcacccg 960
ggcctccgtg gccgtgtcat cctttgagca tgccggcccc tcccttcccc gcctttcgcc 1020
gggagcctgc tccctgcctg ccgcgctcga ggaggaggcc tgggatctgg acgtcaagca 1080
aatttccctg gcttccccct cagccccaga aacacttgac tcttctggag atgtgtcccc 1140
aggaccaaga aacagcccca gctgcaacc cccccaccct gggagcagca ctcccaccct 1200
ggccagtcga gggatcttag ggctatcccg acagagtcac gctcgagccc tgagtgaacc 1260
caccacgcct ctgtgacctg gagaagatcc agaacttgcg tgcagcttct cctctcagca 1320
cactttgggc tgggatggca gtggggcata atggagccct gggcgatcgc tgaatttctt 1380
ccctctgctt cctggacaca gaggaggtct aacgaccaga gtattgccct gccaccacta 1440
tctctagtct ccctagcttg gtgccttctc ctgcaggagt cagagcagcc acattgcttg 1500
ccttcatacc ctggaggtgg ggaagttatc cctcttccgg tctttccca tcctgggcca 1560
ctgtatccag gacatcactc ccatgccagc cctccctggc agcccatgtt ctcctctttt 1620
ctcaccctct gactttccct gagaagaatc atctctgcca ggtcaactgg agtccctggt 1680
gactccattc tgaggtgtca caagcaatga agctatgcaa acaataggag ggtgtgacag 1740
gggaaccgta gactttatat atgtaattac tgttattata atactattgt tatattaaat 1800
gtattttact acactttgcc tctaaggagc tagagtagtc ctctggatta aggtgataaa 1860
taacttgagc actttccctc aaccagccct taactagaac acagaaaata aaaccaagac 1920
tggaaggtcc cctctacccc tcccaggccc agagctagct gactgtgtat gagcctggga 1980
gaatgtgtct cctccacagt ggctcccaga ggttccacac actctctgaa gctccttct 2039

```

```

<210> 5053
<211> 3123
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(742)
<223> similar to gi5912134 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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```

<400> 5053
gtcagggtcca tgagctgccc accgtcctgg ccttactgtg cccctgccc caccaacata 60

```


ggtgaaagca	cctccccctct	aaggaagacc	atagagaccc	caacactgtg	ggacccccaaa	120
gctccttcat	gctcactgga	gctcccaccg	tgggtgcttg	caagtcctca	gcgctcccgg	180
ggtacagccc	tcccccttct	gccctcta	gtcctcccc	cccttgccct	tccctccact	240
tcctttctct	gccgtcccc	cctctcccat	cttgtagcct	ctttactggc	ggggcctgga	300
gcccattgat	gacacttgcg	gaaggagggg	tggcgagca	cccctgagat	gacatcgctg	360
cctgccccag	agcaccgccg	ctctccctgt	gactcagttc	tttgacagcc	agatgtgagc	420
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ccatgctgca	ctgattgcaa	gagtttccca	catctgcaga	ggccgtgggc	tcagccccac	540
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acagtgtgga	catggtggag	gtctcggcct	tgcgagacaa	ggcaggggga	ggggatagga	660
aattgggggt	attctgtgac	tcctggggcca	ccggggagcc	agaatcttcc	agccagactg	720
gatgggcagg	gcttagcttc	ctgatgccgc	ccattcacca	ctttcacccc	gggaacctac	780
ctgggcatca	tgggaggcag	agcctgaacc	ccaacccaac	cctaactcta	atgctaaccc	840
ctaaaccatc	cctcaccccta	acccaatcct	cgccctaacc	ctaagtctaa	cccctgaccc	900
gacccaatcc	taacccctgat	gctaaccctt	gactcaactc	tcaccctaac	cctgatgcta	960
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aggaatctcc	ggctctgccc	agtgatcatc	tgggcaggac	atggggacga	gtgtccaggc	1680
tgaagtccag	gcccggccag	cagagggccca	ttttgtattg	agctccacag	ctggtcacat	1740
tctgtggaat	gtgcagacgt	gcacggccca	tcagacaggg	tctggagtgg	ggctgccatc	1800
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tgtcgtcggc	aactctgggg	accaaacc	gagcctcccc	ctccccaga	ccttgacagt	2340
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aacctgcgtg	agccccgcag	aggggtgcaga	gccggcttgt	gcaggctccc	agcaggctca	2460
tgacagcgcg	gatggttaaa	tgtagctcct	gacagccaac	tgttaagggt	tcaggcattt	2520
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gaaactggca	aatgtcaaca	tgctgggtac	cctcgctcct	gccgccgcag	gctgtcagtg	2640
tcttcagacc	cacactgcgg	ggggccttgt	tgtgtggctg	cctcccaggc	tggggcgagg	2700
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ctggctgcct	ccacttgctg	gcccctgcgc	gcccaccctc	ttccaagcc	tgccctgccc	3060
ctcagctcct	ggggtgggga	ggggagacct	cgccctctgc	ctgcagcgac	tcccacctgt	3120
cac						3123

<210> 5054
 <211> 1493
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (961)...(1212)
 <223> similar to gil872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5054
 gcccatgact acgccaaaact tggcacgagg cctgagtcct ttgagcacct gccacctctc 60
 ccagtatctc cttttccact acctgaatta gtagaggaaa ggggagacac acttcctccc 120
 cagaagcctg agctcaaaagt gaaacgggtt ttcagaccca atggcattgc cctgacttgg 180
 aatataacca aaatcaatcc caagtgtgct cctgtagaaa agctaccacc tcttcctgtg 240
 tcatgagaac tctaataata agttgatttg gaagaagatt ggagaaatta aagctttacc 300
 actccccatg gcctgtactt tatctcagtt ttttagcttcc aacagatact attttactgt 360
 ccaatcaaaa gatatttttg gacgatatgg accattctgt gatataaaat ctatccctgg 420
 gttttctgaa aatcttacgt aaaagggtgt taataatgat atactacttt ttttttcata 480
 tttgtttgtt tgcaatgtta ctgtaatact atttgccatt gtaaaaggcc agctcagatt 540
 gtgagccctt tctattggga cagtcctctt ctatatgttt taagtggcca gtaatttaat 600
 gaatttctgg tttgtattaa atatgtcctt ccaatggata agttctaaaa catacgctat 660
 cattggccca tgttgctgag gtgcattgtg aacaatacct ttagtgactg tggaactgct 720
 gcttctatca gaagacctag gatacaagca gccactgttt cctccgttaa caatcagctt 780
 ttagtaacct gctgtggtca gcatagctac aggaaaagtc agcccttgac tgagggccag 840
 atcatccctg gagtgcacct ctactaagat tttatgaaaa gatgacatgt tgggctgcat 900
 gataaaagtt aattataaaa attaaaagat tttttttttg agatggaata ttgctctgtt 960
 gcccaggctg gagtacagtg gtcactgcaa cctccatctc cctggttcaa gcaattctcc 1020
 tatgtcagcc tcccaagtag ctgggactat agtcacttgc caccatgccc ggctaattta 1080
 tttttagtag agatgagggt tcaccttggt ggtcaggctg gtctcaaact cctgacctca 1140
 ggggatccac ccgcctcggc ctcccgaagt gctgggatta taggcgtaag ccaccatgcc 1200
 tggccaaaaa ttaaaagatt ttatgaaacg aaatggcttc ccattctttc tattcagctt 1260
 ctaagtgggc tattcatttg ggctctcctc tttttttgtt ttgttttgca cttttgttca 1320
 atcatttggg gaaatagcct ggaggtcttt cctgaatctg tttgtagaca taataaaatt 1380
 tgtgtgctgt gtacacaaaa acataatgta tcttatgaaa gcattacca acctgtttga 1440
 gttgagaatg atttggtcca ccttagattt gaggccttag ttggctgatt tcc 1493

<210> 5055
 <211> 3886
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3887)...(418)
 <223> similar to gi4468339 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

cttggttaggt	gttgctcccc	aggggccact	gggcaggata	ggcgtgggca	ttgacccacg	3300
tgaccttttag	ggcccacctg	gccttgtagc	ccccgttggt	tgtgatcttt	ctaataccaag	3360
actcggcctg	ctggactagc	aggctgtgtt	caccatagaa	cgtctcgtat	tcctgataaa	3420
atgtggtccc	ccgaccagtg	gagaagtcag	catcgtccca	gaacggagcc	accagggcca	3480
cagggctccc	gcctgtgaag	cctgttggga	gtgggttggg	gtaggagaaa	atctggtagt	3540
ctgactctgg	gaagatgatc	tggccattgt	ctgtgaagta	gagggaaatca	cggagagagg	3600
agccaagggg	gaagccagtc	gccggcctga	agagtgggga	ggtgaagtcc	acggtcctcc	3660
tgacgaactc	caggtccccg	gcgtctgccc	cataggggaa	gagggaaaact	cctctctcag	3720
gcaggatggg	gatgggggca	gctgtggagc	gggtgtgcat	ggcagtgctg	ggaatggtgg	3780
aaatgatggg	ctgggaggtt	gtgggggggtg	gtgatgtggc	tgtgcgtctc	ccaccgtctg	3840
tcttcagtga	cgtgtttgtc	attcctgatg	tttccatctt	cagagg		3886

<210> 5056

<211> 1543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)...(528)

<223> similar to gil8218 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5056

ccgtgtgggtg	gaattcaaaa	ctggcaaaga	tgtggccacc	caaatactag	aaggagagct	60
ctttgactttt	gatcttgaag	ttaaaccagt	gttagaagtt	ttggtgggga	agacaattga	120
gcagtctctt	ctggaagtaa	tggaagaaga	agagctggct	aacctgcggg	ccagtcagcg	180
tgagtatgaa	gaactacgga	atagtgaacg	tgctgaagtt	caacgacttg	aagagcaaga	240
gaggcgacac	cgagaagaaa	aagaacggcg	taagaaacag	cagtgggaaa	taatgcacaa	300
gcacaacgag	acatcacaaa	aaatcgccgc	ccgagcattt	gcacagcgtt	acctggctga	360
ccttctcccc	tctgtttttg	gcagcctcag	ggatagtggc	tacttttatg	atcccatgga	420
aagagatatt	gagataggat	ttcttccatg	gctaataaat	gaagttgaaa	aaaccatgga	480
atatagcatg	gtgggaagaa	cagtgcctga	catgttgatc	cgtgaggtgg	ttgaaaagag	540
gctgtgtatg	tatgagcatg	gggaagacac	acatcagctc	ccagaacccg	aggatgagcc	600
tggtggctct	ggagcaatga	cagagtcact	ggaggcctct	gaattccttg	agcagagcat	660
gtcacagaca	cgggagctgc	ttttagatgg	aggctacctt	caaagaacaa	catatgacag	720
aaggtcatcc	caggaaagga	agtttatgga	agagagagaa	ctcttagggc	aagatgaaga	780
aacagcaatg	aggaagtcc	taggggagga	agaattgtca	taggagggaa	gcttcaaagt	840
catgaaacca	atcaacagcc	aagtcagcaa	gcaatcaggt	aatgatgtgc	gagtcacctc	900
agggttataga	aattatgttg	tatttagtca	gtatgtcttt	ttgtgtaatg	gactgggcca	960
atcaaatgtg	ataaaattaa	tttgagaatg	aaacttaaat	tgaattcatt	tatttaatat	1020
aatattcaaa	ggctatatatt	taattcta	gagaattata	tttaattact	agctttctat	1080
taccattata	tgttaaccagc	aaatatat	ttccttagcc	cttctaattt	tgcgggttag	1140
tttttttttag	taagtatgat	atttaatgtt	caatatcagt	gctgtcagcc	atatagcttt	1200
tcttctctat	aggaaaaact	atttcacctt	ctgtaagagt	gaatgcctag	ccaggcgtgg	1260
gtggctcaca	cctggtaaat	cccagcactt	tgggaggctg	aggcgggcag	atcacctgaa	1320
gtcaggaggt	caagaccagc	ctgaccaaca	tggagaaact	tcatctctac	taaaaatata	1380
aaatttggtg	gggggggggg	cgcatgcctg	taatcccagc	tactcgggag	ggtgaggcag	1440
gagaatttct	tgaacccggg	aggcggaggt	tgcgggtgagc	caagtttgca	ccattgccct	1500
ccagcctggg	caacaaaagg	gaaactccct	ttcaaaaaaa	aaa		1543

<210> 5057
 <211> 2279
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1678)...(905)
 <223> similar to gi5902376 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5057

tttttttttt	tttgatttta	agtcctttta	tttattttga	atatcagtaa	ttacattttc	60
aaaatatgat	ataattttaa	ggtatcagta	ccataaatct	gtatcttaca	gtaggaaatg	120
taagagtaaa	cagcctatat	acactttgta	ctactgacac	aattttatgt	atacaactct	180
atacagtatc	tactaatctc	cagaaaaccc	acctacaatc	catctgtctg	ggactgtggg	240
caagtgggtt	ctttctgaga	tcagggtctc	actctgtcac	ccagggttgca	ctgcagtagt	300
gcaatcatgg	ctcactgtag	ccttgacctc	ctgggctcaa	gtaatcctcc	catctttgcc	360
tcctgagtag	ctgggactac	aggtacacac	caccatgtct	ggatacattt	tgtatttttg	420
gtagacaccg	ggtttcacca	tgttgccag	gctggcctca	aactcctggg	ctcaagtgat	480
ctgcctgtct	tggcctccca	tcgtgctggg	attagaggca	tgagcgactg	tgccaggctg	540
actgtggaca	agttttacaa	ataaaccaaa	ataaaaatat	tctcactttt	cagctgcaca	600
tggtggaaat	gtacatgtat	gatgacaaag	tcggagatat	ttattacgct	gaagacattt	660
aactttgttc	catgccagcc	atgagtgaca	acgctagaga	ttccaaatgg	ggaaaggatc	720
ctctacagac	ggctttgttt	aaaatggtta	caagaaacat	atggcagttt	ttaaaatcag	780
attccatttt	ctctatagat	tccattcgcc	aagtgccag	gcctgcctgc	caaccgtctg	840
caaacatgag	agccaagttc	aacaccttca	tgatagcttc	tttcacaaag	ctgacctttt	900
ctctcagcag	acaccggtca	tggatggttg	acagatacct	atagtgaatt	ttaatcaatt	960
gatctaaatc	cttggcttcc	tcgacttgat	gttgaaactc	cagccctgta	ctgtgtagaa	1020
tcctggatcat	gatgtagttg	tgcaagctgt	tcacgaaatg	catgagcttc	actcttaaga	1080
ggaacatgcg	atgaatctgc	tgtcttactg	gttctttttg	tggtccgaac	tgagcaactg	1140
tgtcttgttc	atgtataagg	ccttctttta	gtcgtggttt	ttctgcagta	ctaaccagtt	1200
caccaaaaag	taaaacatcc	agactatat	ttgccactt	tatttgcaat	aagagaagaa	1260
acacttgatt	ataaattttt	tgacattcca	aacttataac	aatgtccacg	ggccatggga	1320
ccttgtagct	gagggtcaga	ccatctaaga	tatgaacagg	cagcttcttc	ttagctgtgt	1380
caacattttc	aaaagatata	gatagacgtg	aactatcttc	aggataacgc	tgtcctactg	1440
cttcttggag	ttggacatta	agaaaagaca	cattctgcca	tgtttccttt	tctcttattt	1500
tatcaaaaat	tgacgtgtag	aagtcataca	tggtatctcc	tccttccatt	aagaaaaaat	1560
tcctcatagc	ttgcaagtat	tctaccaacc	tgtaatcttt	ttttagagtt	tgcatgagat	1620
ttccacagca	atctagatac	tgcttgtcaa	tatgaggata	gaggcaggat	ctcagcgtta	1680
attcaaaaagt	ctggcatgtc	acagattccg	atgatctatc	cacacataca	tcaccaccag	1740
caaactttctc	gtgaaagtca	ctctgctcca	aatacatcct	tgcaaagtta	atggcaagca	1800
gtggatcatg	aacatcatcc	agttcaagat	ggctttcagc	aatggactgc	atcttcatca	1860
ggttctcctt	ggttgccctgt	tgctcagtaa	gaacctgtgg	agtggaatct	tctccatgtc	1920
gaagacggga	ctgtacagat	tccagaaaga	gagtgataaa	actttttctt	tctgcatctc	1980
tggtcctctgc	ctggcagggtg	gtgctctccg	cacactgcag	gttcttcagc	agctgcatcg	2040
acttgccagc	cattatgatc	tgcttcagga	cagggtttgag	gaaggacacc	atgggtgtgct	2100
gcctgctgga	gggcccctgg	tcactgccgg	aactcgcact	agcgttatca	ctcatttttt	2160
cttcattttc	tgtcttttct	gatacgtat	ataacgtgta	agttgcatac	cagaagtctc	2220

tgtgattaac tggaacatTT ttgtttctct ggatgatgaa ctccctggcg ccatccac 2279

<210> 5058
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(321)
<223> similar to gil850831 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5058
cggttgactt ggattatcaa aagtggagca gttccagcta tccatttcca cggaagtcaa 60
gaaaagtatt gacatacctt gcaagatatc gagcacaagg tttgaaacag atgtcattca 120
ctgggtaccgg cagaaaccaa atcaggcttt ggagcacctg atctatattg tctcaacaaa 180
atccgcagct cgacgcagca tgggtaagac aagcaacaaa gtggaggcaa gaaagaattc 240
tcaaaactctc acttcaatcc ttaccatcaa gtccgtagag aaagaagaca tggccgttta 300
ctactgtgct gcgtgggatt acaccatact agaactgttg aaacaacatg cacaaaatcc 360
cctcccaggg tctgtgcca ccacatcctt cccaacaggg gcaaccacag ccagtcccca 420
gctgggctcc cagactcagg ctgccttct ctgaggctct tccggggctt tccaggaagc 480
tgttatgggt tataccttcg ttcccacctg atcccaggac ttgtgctcca gaatctttat 540
ttgacactgt ttcttaatgc attaaagact tgtctgggga ctgagagaac atagggtcgtg 600
ccactgtcca tcatatcacc acctagagac ttccagtaag tagcaa 646

<210> 5059
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (469)...(273)
<223> similar to gi2266432 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5059
tttttttttt ttagctcatc agctatcgtt aggggtatTTt atgtggccca agaaaattct 60
tcttcaaattg tggcccaggg aagccaaaag tttggacacc tgtgatttac aggttatgcc 120
tagatctgaa acagatcccc atccctccta aagctgcccc ctgggttatgg gccctgtttc 180
tcttagaaac accacacaca tcatTTggga aaagcacact gagtagaaac atggcctgaa 240
agggtggtgg gcggtggacc tggcttcctg tggccagagg tcagcggacg atagaaatgg 300

```

tctgatcggc cacagcaaag actggggaag attgggcccc gggaaggaca cattgattgg 360
gcacagagca ctgtgccgga ggctggctca tagaagagca gtcctgaac ctgcaagtcc 420
agcactacac ccagctgggc tgggccccgc agcagcccca ggggctcgtg ctgccattg 480
t 481

```

```

<210> 5060
<211> 1026
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1022)...(245)
<223> similar to gi4159885 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 5060
catattcaaa ccatctttat ttacaaaata ctatcctgag aactattatt ccattaaact 60
tcaatttgag caaaagtgca atcacttaag taatagcagt tacttaaact gaaaatgaga 120
tcagtcaaaa ttacttttga agaaagcaac aatattgtca ggtttcttgc tgtggttctg 180
gatgtccagt agcaggctcc tttgaaggcg gaatcaatcc tgaagggaac tcgcttctac 240
ctttagaatg tgggggttggg gtaaaatcca ggtctcggat gaaggtaagg aggtaaaccc 300
ctcgggtggat agatgtttct cattgcaaat ggagcatgtg gtggacctgg gaaatccctt 360
ggtggaaaat aacctcgaga agctccaaac atggttcctg gaggaggtgg ggggaaagga 420
ggtcctcttc tcatgaacgg gcccttgta tccactggaa acaatggacc gctgattgga 480
gcaagaggtg gaggaataag gccagggccca gttgcttcac ttccagcagg gagagatgaa 540
tcaggcacat ttaaattacc aagatcatct ttggcatcat ttctactgga ttccatttct 600
gaaggcattg acctatccat tttatccaaa gaagtcattt taaaacttct gggttctgct 660
ggcccagaca gtctttcaga attagaataa aatctgtctt ccctttgtgg aggaagagtt 720
gaatcaggat atgattgccc tgggtggagga aacatcatcc tacggctcctg ttccaccgga 780
gatgacaggg acccagtgtc agaaggagcc ctgtgaggat cgattaacct gtcatagctt 840
ggttctcctc tttcattggg aatctgatgg tccaggggat tccctgggct gcttgggcct 900
cttcctcctc cccctggaag cacagggtgag agtctgagtg gatcctccaa caaagtttga 960
ggagagggaa aagctctcgt ttcagatgaa ggccgaccga atggtgatgg actagatggg 1020
caaata 1026

```

```

<210> 5061
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(205)
<223> similar to gil304434 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5061
tttttgggct cggggacccc cgggagtggg agcggcagtc ggggacgcct caactcgttc      60
actcagggaa tcctgcccac cgccttctcc aggccgactt cgcagaacta ctgctccctg      120
gagcagccag gccagggcgg cagcaccagc gccttcgagc agctgcagag gtcccgcagc      180
cgcctcatct cccagagatc ttccttggag accctggaag atattgagga gaacgcccct      240
ctccggagat gtcgaactct ctcaggttca cccagaccaa agaattttta gaagattcat      300
tttatcaaga acatgcgga acacgatacc aggaatggca gaatagtcct tatcagtggc      360
agaagatcct tctgtagtat attttcagtg ctgccgtatc gcgacagtac ccaagtcggg      420
tatgtatatg catgcatgct ttgtagttct ctgggtgaaa agatctcaca ccaatgtaca      480
taatgtggcc atcctttcca ttttcaagaa gttgccttgc tttgatactg caaattcagt      540
atgtgtacac tggaatgata aaaagatgtt cc                                     572

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```

<210> 5062
<211> 881
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (116)...(643)
<223> similar to gi2792494 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5062
cgcgtggggg ttttatatgg acctttggaa ggctgtttat ttaccaaatg gaagaaatcc      60
ttcatttctg atttcgagct ggcacgtgta cacatttgga cctcagaaag actcttctca      120
agttgaggag ggggatgatg ttcttgacaa attacttgaa aacattggcc atacaagtcc      180
tgaatgcctt ttaccgtcac agctaaatct aaatgaacct tccctaacct catgtggcat      240
gaactatgac caagagaagg aaatcattga ggtcattttg cgccaaaatg ctcaagagga      300
tgagtatatc cagagtcata acttcgattc tgcaatgaaa gtcaccagcc aagggcagcc      360
ctccccagtg gagcctcgag gaccctttta tttctgcagg ttattgcttg atgacttggg      420
aatgaattct tgggacagaa ggaagaattt tcatctattg aagaaaaatt caaaattatt      480
gagagagctg aaaaatttgg actcccgcca gtgccgtgag acacacaaaa tcgcagtgtt      540
ttacattgct gaaggtcaag aagacaagtg ttcaatcctc tctaataaaa gaggaagcca      600
agcatatgaa gactttgttg ctggacttgg atgggaggta atgcatttca ttcaggaggt      660
gtttattgac cagcactgtt taaagatgtg tccaaactag acattgtgta agtttttaca      720
tgtgtctttg cattcaaata tagcatagat agagttctgg aattgaagaa tttattggat      780
ttgacatctg ttagttgctt gtcagtattt aatacatgaa cttttgtttt cctttaactt      840
tcctcttaat attttttcat ttgcttttta tcagaactga a                                     881

```

```

<210> 5063
<211> 2941

```


<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (15)...(472)
 <223> similar to gi4689112 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5063

tttgggaggc	tgaggatgtc	agtgggggag	gacccgcacg	ttcttaccba	gttggaggcc	60
tttgttacta	tctttctcct	cctgagtcca	tgggcgccat	ctttgaggat	cctgtccatg	120
tcgttgttta	tatcatcttc	atgttggggt	catgtgcatt	cttctctaag	acatggattg	180
aagtgtctgg	ttcctcagcc	aaagatgtag	ctaaacagct	gaaagaacag	cagatggtaa	240
tgaggggcca	ccgagatacc	tctatggttc	atgagcttaa	taggtacatc	cccaccgcag	300
ctgcgttttg	cggtttgtgc	attggcgccc	tgtcagtgtc	ggctgacttc	ctgggggcca	360
ttggatctgg	cactggaatt	ctgctagcag	tcactattat	ttaccagtat	tttgaaatat	420
ttgttaaaga	acaggccgaa	gttgggtgga	tgggtgcttt	gtttttctaa	atgttcaaatt	480
atttcatttt	gtgcgtgtga	aagggaaaac	actttgacgg	atcgtttttg	tcagatgaca	540
ctgggtggctc	cccttttctc	ccctcacagt	ttcttgtttc	gagtgtctgac	tgacccgttt	600
ctgaaatggg	caccgagcta	agtctgtgtg	cagcattagt	acccgctgcc	ttaaaactca	660
agttttacatt	attcattaaa	aaaagtacat	ctagtgttgc	ctgtaatgct	ggaaaccagt	720
gtatctacct	tgctgtgtta	aatcatgaca	gtgagacggg	gagatggatt	cgttttgcac	780
acaacattca	aaacacttca	tattgcccc	acttggtgaa	aaataaatgt	agttcaaatt	840
gccactttcc	agtatttttg	agcttattta	atgagttctg	gaacatttat	atctaatacta	900
tattttagat	aattactttt	tatacttttt	taactcatgg	tatccccact	ccccaccccc	960
acctcatttt	tatttgcctc	ttctcaaagc	agccacttag	cccacatggg	cgaatatcaag	1020
tctccagtta	tttctgccac	aactgcttct	aaggcctcct	ccttctcctc	ctcctcttcc	1080
tcttctcctc	tttcttctc	ctcctcctct	cttcccagtg	acagcatcat	cgtgtgtttt	1140
gcctgtattg	gctatgcctt	ctaactccaa	ccagtcactt	gagaatatct	tttcaagatt	1200
ctgggccccg	attcttttct	gtttaaatcc	ctaaagcaaa	gatctaattc	tcaagcaatg	1260
tctgtagttc	agtgggggtg	aacaatgaat	atattcatgc	taggaatttg	tgtctgttgt	1320
tgtactcaca	gcagcaacat	gagtgtaaac	agtagacaat	aaacttttat	ttaagaaaac	1380
tgattcagtt	gtgttggaag	aaataaagaa	atctgatatt	aaacgttttc	taagatcatt	1440
tgtatagggt	cagtgtattc	ataagaagtc	caccctgaga	tgctgtataa	agtcaaattg	1500
aattacactt	caaactttta	tcctaaatta	ttgacagata	gatagatagt	gaccaactta	1560
agggtaatac	tatatgtgac	taacatttgg	gaggaaacag	gaaaacagtg	gtctcaaaac	1620
aacaatatcc	cagtctccat	ttgaaagagc	atagatcttg	gtaaatcatt	ttgaaaacta	1680
tgtgctttat	ttcccaaaaag	atcaaaactta	atttttaaaa	gacacccctt	tcagaagtat	1740
gggttttcat	tgtgttttag	tttcttaggt	gtggtatgtc	ttacgtagct	tatgcttaca	1800
aagccaaata	atcgcagggc	aaggcagata	aaggcaggca	ggatagtgc	agtggctcgg	1860
tgagcatccg	ccaagggcct	cagaccactg	ttaccataaa	aacatccacc	cagtgttatg	1920
acgtccgatt	tttttttccc	ttaagaaggt	ggaaatatgg	cttttaatac	ataggaaacc	1980
ttcagttttt	aaatgcaggg	caaataaaca	tttttaaaaca	gtgccagcca	gactgccagt	2040
tctcaaacag	actgaatttc	caaagcaca	ccttttcatg	tttataaaaa	atagaaatgg	2100
catttaggga	tacattctag	gatttggctc	tgacttctaa	gttgactctc	taggaagaag	2160
gagaggataa	gcttaggtca	gctgcagagg	tcattcccat	ggggagtggc	tggggaggaa	2220
ctgggctatg	tggaaagact	gggctgcgcc	cgtctacgga	tgcttctctc	cttgatttca	2280
atgattgata	gcatgtggct	ttcagacctc	aggaagagtt	agagcttttg	agaatcacia	2340
tgctgtgat	tgaatcagg	atttaaaaaa	gggttagagg	cataggggaa	ggctaccatt	2400
acaggaagta	gttgatctt	aattttcaca	tgtatagggc	tagacagctt	catctgtaaa	2460
gttctgtatt	tccataattg	ttttatcttt	aggaagtcca	gtgtaaagat	cttacagttt	2520
cactcataaa	aatatcctgg	gctcagacag	tgagcctgtg	gacaaacgga	ggctactgca	2580
gcattctggc	attagcactc	tgattttatc	tggagagccc	tttcatatgg	ttctcagggc	2640

ctggcttacc	cgctggagcc	aggctagaaa	catgacttag	ggctggatga	gaatcatcct	2700
gagaattccg	tgggggccag	actggaaagt	cctggaaaat	catggagctg	ctggaggccc	2760
taaaagtcaa	cacaaaaaga	gctaaactca	ctcaagaagc	taagaaaatg	gccaggaac	2820
actggtagaa	ctgctagatg	acagggtttc	aggcatggga	accagatcaa	tctgtacttc	2880
ttgctgtgaa	ctactctgta	ttgggtttca	ggtactggct	gatcttgctg	gttctgttca	2940
t						2941

<210> 5064
 <211> 3447
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3448)...(706)
 <223> similar to gi5911875 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5064						
ttcatgtgcc	catcggaggg	tacatatcag	tctatTTTTT	attataaaca	aataaaagat	60
taaatcacac	atcaaagacc	tagactcctt	ctctgagaca	caaaggcct	aacaaccagt	120
aagataattt	tagacaattc	tattgaaagt	tattcaaaag	gcatcaagtc	aaaataacga	180
aactgcccc	gtaaaaaggg	gctgggcctg	ggggccaggc	aaaggcaagc	atgaggggccc	240
cagtagaggt	ggacctgtcc	ctatggtaac	tgagctcggc	tttaaggcca	ggcattgggg	300
atcagctgct	aggagcccac	ctgtgttctt	cctgaggggt	gggggcaccc	tagtcacttg	360
ccttagaggc	acatgggtcc	cccaccagcc	tacagcatgg	aaaacaccca	atgtctggct	420
ctagcctatt	cttaaccac	aaactgggat	tgggagctgg	ggacaggaag	aaggggtcat	480
ggggccagga	gcctattcag	gctctacaac	cagacttccc	tagagaggcc	ccgtgccagt	540
tagtccaatg	gccacacaca	tcagaaaggg	tagtcaacag	cgttgcacat	gtaggttgga	600
ggtagcccag	gtgtcagcca	caccctggtc	acagcagatc	cagagaggca	atgttccttg	660
gagctgcagg	ctgctggatc	tactgctcgt	ccagtcccgg	gctcagacac	agggtaaagtc	720
ctccaggccc	ctaccagggg	cctgccctga	cacacagctg	ctgtcagagc	cactggagcc	780
actggctgat	gggcattggg	acgagatctc	tgagtcctca	gcagtcaaag	agggtctggcc	840
gccagctct	gcctcagcct	ccagtgtctg	ttcctctggg	aagctgggat	acaggggaca	900
gcggagaccc	agaagagctg	ggtctctgta	caggtgcagg	ttgagggacc	ccagaacaga	960
gcaagaggca	gggtctccag	gaagggagtt	cgaggccccc	aggtagaggc	tgtcatggtc	1020
aaacggggct	acggcaatgg	acgcccagga	gcgaacttct	cggcacttca	ggacatagtt	1080
gacggtgcgg	tcgttgatgg	cttcctcgct	gggagcaatg	tctcggaagg	ccttggtccc	1140
cacacccatg	gacaccatct	cagccatgcg	cacctccttg	ttgtggacgg	cctgcctcca	1200
aagcaggtgg	gagatgtcag	ctgtccaggc	ctgcttgata	gccaggctgg	aggcctgcag	1260
cacaaaggtg	tccctggcct	tgcggcggcg	gaaccagatc	tcgaagcgca	ggttgctgtt	1320
cccacagcac	tcagttagac	caaggtctgc	catcttgaag	gagcgcttgt	aggcaaatgt	1380
gtcaacccct	gtgggcccat	ggcgaggctt	gctgaagagc	agcagctcct	caaaaaggaa	1440
gatgcggcgc	acggacttgt	ggcgcccagt	gcgcaccaca	aactcatcct	gtcgcaccag	1500
ctgcccctgt	tccttgaggt	taacatcaca	gccctggatg	gcgtccatgg	ccagcaggtc	1560
gtttccgtgc	cgcagctgga	agtgcacaag	gctctgggcc	tcccgcagcg	cactgagctc	1620
ctgcgtgggg	ccccgcagg	cccggtccag	ctcctgcagc	agcagtgcgt	acttgcccat	1680
gcgctggatg	ggcttttagca	ggtaggaggc	caggtccagg	tgggtcccca	gtgcttgctg	1740
cttgtccttg	aagaaggtgt	gcccatagct	tgacatcagg	gcatcggagc	gaggcttatt	1800
cttgtctgtag	agcgcgtaca	tcccaaactg	caccctatgg	cgcaggaagg	cataggccac	1860

tcgtggtggg	tgccgggtgc	aagcctccag	ctcacgcagg	aagaagtggc	agtggaagtc	1920
ccgcagcttc	tccaggttgc	caaagaggtg	ggcacgctga	ccgcggaggc	cctggggcac	1980
atcggggcga	tccagctcgg	ggaaatagtt	ctccatagtg	tactctagag	cccggacata	2040
ctcccgcctc	gtggccacca	tctctgccag	caccagctgt	agcctgttga	ggctcctggg	2100
gtcagagctg	cctggtggag	gcacagtagg	ggatgcctgg	ggcagggcac	ctcctccagc	2160
ctctggtctg	cggcaggcag	caatagtggt	cgcatgggtg	cagtggcagg	caggttcact	2220
gagactctgc	cccagattcc	gatcgaagct	gtaggccttc	ctcaggggag	ggtgggcagg	2280
tgcagcgggg	acctggctga	cacacaggct	agctgtgctg	cccaccgggt	gtagcttcag	2340
tgaagcctca	agcttttggg	ccaggggccag	ccagggtgtc	tggcacccgg	cccaggccca	2400
gcggcactcc	tggcggatgg	cctctgagcc	cagccccgtg	gccagagccc	acatctttcg	2460
gaagtgggca	ggaggcaagt	cagggtgcct	ggtccagtgc	agctgcagct	gctgcaacac	2520
aacccccggg	cgttcctgct	ccagctctgc	caacactcgc	tgccccctct	cagcccacgt	2580
caaggcctcc	ctgaagagct	gaaacagcct	ctcagcatcc	gccagccgct	ggcacccgtg	2640
ggccaaagcc	ctagagaatt	cagtcagctg	ggctcgcagg	gccagaaagc	gtgccccagg	2700
ggggtccagt	tcagccgcct	cccagccagt	cagcggctgc	agaaacttct	ccccctgcct	2760
gacctgctcc	tgggcaacct	ggtacagctc	ctgaaaagag	ccttgggcct	ggagcagcat	2820
gtccagcgag	ggctccccag	cctcctccag	tgctggccag	cccacctgct	gcagccacac	2880
ttcaatctgg	tgcagtccgc	tttcccgggc	ctccagtgtt	tggaccaact	ctagggcctg	2940
tattcgctgg	ttgctctgca	gggtcagttg	gtgcagcaat	ccatccaccc	ggtcatatag	3000
ctcgtcagcc	ttgtccattg	ccgtcctgta	gtctgggctc	agggtcacct	ctgggacctc	3060
ttgcttcagc	catgtcagct	cccggccccc	ctggcattgt	agccatgcc	gccatggcga	3120
gtctagcacc	tgctgcatca	ggacctctgt	ctgctgtagc	agctgaccga	cctccccagg	3180
ctccatgggg	tggggcacag	ccttcacact	ttcgatggcc	ccctggagca	gggcacaagc	3240
tgcctggcag	ttctgtagta	gagcttccag	ccgccttcgg	aaatccagcc	aggcctggtg	3300
gcagtaaggc	aggcctcctc	ctagcgaagt	gggcagcccc	gccgttggga	tgtgggtcag	3360
caggctctga	gaaggcaact	gctccagctg	cagcccgga	ggcacttctt	tcagcagcgt	3420
gcttcccact	agcagcacct	ggtacac				3447

<210> 5065
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (46)...(165)
 <223> similar to gi2439972 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5065						
attattagta	cagtgcggtg	gaattcctac	ccatttccca	tattccagat	cctgtgtatc	60
gatgaggcca	cagcaagtgt	ggaccagaag	acagaccagc	tgctccagca	gacctctgc	120
aaacgctttg	ccaacaagac	agtgtcgacc	attgcccata	ggtatgtaaa	cgctggtaa	180
cagcctaata	agggactgtg	gtagcatgca	ccgagagcct	ccgttgcttt	cagggaaccc	240
agtggtcagg	gccttagaga	tcctgcccc	ccagatctca	gctcctcctt	ctccaggga	300
gagaagggtc	ctttatagca	ctgcctaggg	ccctttatag	cacattatct	gagggccctt	360
tatagcactg	cctagggccc	tttatagcac	attatctgag	ggactctgca	gtcccttccc	420
cagcaccaag	ccaggggcta	aagcctgtgg	ggacagacct	gtggtgt		467

<210> 5066
 <211> 1229
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(579)
 <223> similar to gi3599942 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5066
 gagaagcaga gctgtaagag ctgtggtgag acctttaact ccatcaccaa gaggaggcat 60
 cactgcaagc tgtgtggggc ggtcatctgt gggaagtgtt ccgagttcaa ggccgagaac 120
 agccggcaga gccgtgtctg cagagattgt ttcctgacac agccagtggc ccctgagagc 180
 acagagaaga caccactgac agacccccag ccagcctgac tctgcggccc cctgcggctg 240
 tcagagagcg gtgagacctg gagcgagggtg tggggccgcca tccccatgtc agatccccag 300
 gtgctgcacc tgcagggagg cagccaggac ggccggctgc ccgcacccat ccctctcccc 360
 agctgcaaac tgagtgtgcc ggaccctgag gagaggctgg actcggggca tgtgtggaag 420
 ctgcagtggg ccaagcagtc ctggtacctg agcgccctct ccgcagagct gcagcagcag 480
 tggctggaaa ccctaagcac tgctgcccat ggggacacgg ccaggacag cccggggggc 540
 ctgcagcttc aggtccctat gggcgagct gctccgtgag ctgagtctcc cactgccctg 600
 cacaccacca cattggacct gtgctgtcct gggaggtggt gttggaggcc ccatgaagag 660
 cgccctggac tgctgagggt gggccaacag ccagagctc aggacacttg gctttggggg 720
 gaaggaaact gagggccaga gaggggcaac cactggccaa gggtcaccca gcaagttttg 780
 gctaagagcc tggcctccag cccagcagtc gtggcccca gcaaggcccg actgccaaag 840
 taaccatcat ccatatgggc cgtgtggtga tgctggcccg gaaggcagaa agaggcagca 900
 tgggcactgc cagggacagc cacatcctgc tgggtctgag cgtggtccac ccgcctctg 960
 ccagcctgt ctacaccgtg tgagctgaat cgtgacttgc ttccacctc ctttctctgt 1020
 cctctcctga ggttctgcct gcagcccca ggaggtgggc ctgccccatc ctactgtgac 1080
 tcatggttcc taaataacca cgctcagaag ctctgctagg acttaccca gccactgagt 1140
 ggcaggcgca tgagatttgt ggctgttcct gatgctagtg gcacacagtg cttatctgca 1200
 taaataaaca ctggccacca aaaaaaaaaa 1229

<210> 5067
 <211> 525
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (76)...(205)
 <223> similar to gi2286147 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5067
ataggggagg cgtgggcact ttaggttgtc ttaggactga tgtctgaatt aactaagggg 60
acttgtctgg tttgcagagt gctgatggca gagattgggt aggatttggg taaatctgat 120
gtgtcctcat taattttcct catgaaggat tacatgggccc gaggcaagat aagcaaggag 180
aaggtgagtt ttcttctttt ggttcatggc cccaggagcc tatcagaagt gggagctact 240
cttggtgata cagagagagg gaagcaggca gtctgccgcc actatagtgg gagtcagaca 300
tctcaggtgg cttttaaaaca acatgaatgg gaagagaatt ggtttatgaa ttgaagaaat 360
aggattataa catcttctgg tgtgggcttg gatggttctt tcatccttgg aatttatcct 420
tgtttctgta aaattcatag gtctggctca tatgagcttc cctccctggc ttgatgggga 480
tgtggggaag acatcccatc tgcttgtgct gagggaaaac aggag 525

```

```

<210> 5068
<211> 1065
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1067)...(869)
<223> similar to gi404650 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5068
ttttcacaca tataaacaag tttattagat tgtcagtgat actttgagac aaattcaagt 60
tatttcatatt tacttcatat aaacagagga agggaggaaa gttttaaaact tcaagctttg 120
ttcagcatgt gtgcagtttag catccacaaa agcaccattg ggtatgggag aattagcacc 180
acagaatttt aggacctaac tgtaacatg catcactgaa aaacttggaa cataaaaaact 240
gaagtagtac gtggtatggt ctattataaa caatacaagg caatttatga tttgttctca 300
tacagtacaa tacaatcaca ataaatgaga accttttaag aacaatacgg gacaaaaacc 360
accttgcacc ctgttaacac taaagcagtt acagatttaa aaaaatgttt ctggtaagag 420
gcagtgggtt gaaattatcc ctccccctc aatttttaaa ttcagagtta tatagttaca 480
tgatctctta agaaagtatt ttcaaactta tatgtctctc tacctcaagg ctgacaaatg 540
gtggtttgaa aacgaaaggc ttgatgaatt aaaaaaaaca aaacccaaaa actggataga 600
gtcgaaagggt acttcaatgt ggtggaaatt attcaacata agatcagttt ggaaatgatg 660
ccagtgggtg tgatacttgt cttcccttcc gtggaggaat gtcaagtact gaggccttgc 720
attcatgatg aacttcagtt catttctttc accgaatgcc tttattctga ggtgtaacat 780
aagagattta ttccttattc ctcaactggt tttgtagtat catggggctg ttccttatgc 840
ttgatttgac aacagtgaaa aaggttgata ttctctctgg atttggggta atttgtgagc 900
ttcaggaaaa ttccatattt attagagccc acatcaaagt agaacctttt attgtccact 960
ctgaaagaag tccccctctg gagttcaagc gggtcacgt ctccacctct tcgttcttgt 1020
atgtctcctt cgccatagtc ttcaatcaaa aaaaccaagg catca 1065

```

```

<210> 5069
<211> 974
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)...(484)

<223> similar to gi2992628 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5069

agcggccgcg	atgggtggcg	ccatggtcct	gctctatgcc	agccgggcct	gctacaacct	60
gacagcactg	gccttggccc	cccagagccg	gctggacacc	ttcgattacg	actggtacaa	120
tgtgtctgac	caggtgggca	tacgcatgtc	tgccacctcc	ttagtagccg	tggcaccttg	180
gccccagctg	gcctgggccc	ttgtcccaact	acccctttgg	cgtgactgca	gactggcacc	240
agcccctgcc	ttcccacagg	cggacctggt	gaatgacctg	gggaacaaaag	gctacctggt	300
at ttggcctc	atcctcttcg	tgtgggagct	actgcccacc	accctgctgg	tgggcttctt	360
ccgggtgcac	cggcccccac	aggacctgag	caccagccac	atcctcaatg	ggcaggctctt	420
tgcctctcgg	tcctacttct	ttgaccgggc	tgggcactgt	gaagatgagg	gctgctcctg	480
ggagcacagc	cgggggtgaga	gcaccagtat	gtcgggcagt	ctaggctctg	ggagctggta	540
tggtgccatc	gggcgtgagc	cgggctggta	tgggggcagc	cagacgaaga	ccactcctct	600
gctcttctcc	caggtgccag	gaccaggcgg	ccaccaccac	agtctctact	ccaccccaca	660
gacgtgatcc	ccctccctcc	cccacagaat	accagggccc	cagtccccct	caccctaggc	720
ccctgtgcca	agtttgtctg	ccgcttcttg	cccaggatcc	tggggggtcg	ggctaccccc	780
tcctctggcc	ggctccttgc	tgtcctgtgc	atagtgaagt	tgtgccgtcc	ccctaggatg	840
gggggcatgg	ccctggctgc	cagatgcccc	cagcaccctg	gcatgacctg	ccacctctgc	900
ttccacaccg	gagccagcta	cctctcctgt	gcctgccact	caataaacag	tgtctgcgcc	960
ccacaaaaaa	aaaa					974

<210> 5070

<211> 2398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2120)...(1639)

<223> similar to gi3881700 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5070

tttttttttt	ttagattatg	tatatgaaaa	ctaatttatt	aaacctctgt	acacaaagat	60
gaacatacct	gtatagcaag	catatatgaa	ggatgaagtt	acaaaaaagt	aaaagtatta	120
ctaaaattga	cacatgtaaa	tcacttacaa	aaatacccca	aatgggataa	agctgctcat	180
ccctgatttt	tctcatttgg	ttgtaggagt	tgaacatga	atttaaaatg	gtagaatttt	240
ttcttttaaa	aagtgatata	ttaaacttat	atacaggata	attagcaaaa	tgtagaaagg	300
gaaaacaatg	tacaaaagac	agataaaaac	catcactctc	gacggatagt	cacaatccaa	360
aaatagtata	aaccttaaca	aacctctctc	aaaccaggtc	atattcacat	ctccccccaa	420
gttttgtcag	tgagaataaa	atatactgaa	ctagtgaagt	cagtctttct	ttaaaatagg	480

cttgactttg	gaacatgaac	cttggataga	tttttaaaca	tgggagggac	aaacaggaaa	540
accatttctat	ctatccactt	aattagtact	aattaacgga	acaaagtatt	taaatagctc	600
tcagtgtctaa	gtcaagccat	tattcagagg	cctttttgtt	tttctgctgg	tttcgggggtg	660
agtcttttaa	caagcttctt	atcctgaggt	acattccagt	agattctgcc	atatttctcaa	720
attcaaatgg	cgtgattcca	gttgcaaatt	tgctcatgtc	aggtataggg	ctatgaattt	780
tagtggccgt	tgaaggactg	gtgtctgcag	gaaagagctt	ctggctgccc	ccattgctga	840
tgtcacagtt	tggtagcaca	ctgccattat	caagaagggc	accttcagtg	tttaccggag	900
ccaactctgc	tttttccttc	tgacaaaagt	atgtcacctc	agagtctgga	ctggaggcat	960
gtccagcttc	tgattttctt	gtaaaaatct	ctggtacctc	aggctcatcc	agcgtctgct	1020
tttcagatgt	ttttccctcc	gggacagggg	ggtctagctc	at ttggacaa	ggtgatgagg	1080
caacggaatt	gcccagttaa	aggtgtgtcc	cacaggaacg	tcggaagtcg	ctgttttacg	1140
ctcctcggcc	tgctcaagag	ctgccccaga	tccgcctctg	ctgttccttc	ccagttcttc	1200
tagagtcagt	gcgtcctcat	cccacagctc	cagatgctgt	tctggtctgg	ggtgagtcac	1260
tgggagtcag	cggcggggtg	ccctttggga	gtggaggggt	gaagacgggt	ggaggagttc	1320
cccgggggag	tggaggagtg	tcaggaggta	atggtggttg	aaactgaaaa	ctttcgctgc	1380
tctgagaacc	atgtggtagc	tccatatctg	aatcgagctc	catgtcggcg	ggagatcccg	1440
ctgagttgct	ttcattcttc	tgcttctttg	gactacctgg	gctagagtga	gatgaagacc	1500
tcttgttgcc	agacttcaca	cctggcgctt	ggaagttaga	agtaaggtaa	ttggcaaaaca	1560
catccttctg	ctgacatgcc	tgcattggta	tggaaaccaa	gatcctccat	tcgtctggaa	1620
ttcctctggg	agtagatata	ttaaaaccag	gatagttgac	caattttgag	agatcgtaag	1680
tgacactttt	attctgttgt	at ttctccaa	cttctgtttc	cccatcagtg	ccatcttttc	1740
catcatagag	tgcaagcccc	gaattctcca	attcagcctc	tttgagccac	cctggtgggt	1800
accctagctg	gcgcatccga	tagataaaaag	gtggaagact	cttgtctgtc	acacctagtg	1860
catcttgaag	ttcctcacta	ataactcctg	gcttgaatct	tccaaatctt	tcttctactt	1920
cttctgcgtg	gtatcgctgc	tggaaaattct	gattgtttgc	ttctccacag	gcatccatat	1980
actcttttct	cttttcaactt	attcgagcag	cattccgagg	cattgggcaa	tctttcattt	2040
ggtgttcttc	agaaccacaa	ttgagacagt	gaggctttgg	cactgaaagc	ttccttgttg	2100
tttttaatgg	cacaggactc	ttccactttg	tggctcctct	ctagcacaat	actggatggt	2160
ttgaaatagc	attgttcatg	aatagaatct	gtaatatagg	tccatctaac	ttagtatcgt	2220
tcaccaatat	tccactcggt	cgagtcagaa	tgctcaattt	tcgtttaagt	tcttgattct	2280
cggcgcgagg	ctgctcgatg	gtctcctcgc	actgccgaag	ccgctcccgt	agctccgcgt	2340
cgccgacccc	at ttctgtcc	tccatgtcgc	cgctgcctgc	cttgaagcga	gtacgaaa	2398

<210> 5071

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (103)...(605)

<223> similar to gi3395780 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5071

ttgctgccgt	ttaaagctgc	ttcagaattc	atcctagggg	agagtgagct	gggacaagaa	60
accacccctt	ctttcaatgc	aatggctcgt	aacaacctga	ccctccagat	tgtccagggc	120
cacattgaat	ggcagacggc	agatgtaatt	gttaattctg	taaaccacaa	tgatattaca	180
gttggacctg	tggcaaagtc	aattctacaa	caagcaggag	ttgaaatgaa	atcggaattt	240
cttgccacaa	aggctaaaca	gtttcaacgg	tcccagttgg	tactggtcac	aaaaggattt	300

tagggggaga	agctgttgac	ctcgtaaagc	ttatgtctcg	tggatgtacc	tgatcttcag	1500
aaccctgtgga	tattcctgca	aatcctctgg	gcctgtattc	attgctttgt	cagcatcttg	1560
ccctgaaatg	catttgtcac	ctacctcttg	ttactaaatg	gtctctgccc	tccagaccct	1620
tgatcatccaa	ggcactaggg	gtcctggaca	cccactgggg	atgatgagct	ggtagcnacc	1680
tgttttgcat	gagtgcgaag	tcaggaaaaa	taaagatatt	tgtaggcatt	aaaaaaaaat	1740
acatttcttt	aaaaatcgag	aagatgcaat	atttgtaaac	tggtgaagct	tccttattgt	1800
gccatcactt	aagggtttca	tttc				1824

<210> 5073
 <211> 2399
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(821)
 <223> similar to gi31867 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5073						
cttcaatata	gtttttagat	aatgcattta	ggaaaaggtg	gcaaactctc	ctctcagttg	60
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acatcttcta	tacctcagac	aatggctatc	acacaggaca	gttttccttg	ccaatagaca	180
agagacagct	gtatgagttt	gatatacaag	ttccactggt	ggttcgagga	cctgggatca	240
aaccaaata	gacaagcaag	atgctgggtg	ccaacattga	cttgggtcct	actatttttg	300
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tgagaggtgc	cagtaacttg	acctggcgat	cagatgtcct	ggtggaatac	caaggagaag	420
gccgtaacgt	cactgacctt	acatgccctt	ccctgagtc	tggcgatatc	caatgcttcc	480
cagactgtgt	atgtgaagat	gcttataaca	atacctatgc	ctgtgtgagg	acaatgtcag	540
cattgtggaa	tttgagctat	tgcgagtttg	atgaccagga	ggtgtttgta	gaagtctata	600
atctgactgc	agaccagac	cagatcacta	acattgctaa	aaccatagac	ccagagcttt	660
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ggcctcccag	agtgtggga	ttacaggcat	gagccaccac	gcttggttaa	gaacacctaa	2340
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<210> 5074

<211> 2799

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2800)...(697)

<223> similar to gi5817149 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5074

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agctaaacta	cgtccattta	actaataagc	caaatttgta	agagcttaac	agactataaa	300
cttaactctt	gctttaaagc	aacaaaaaca	aaaccctgat	gaagacctgg	aagtgaattg	360
ttcgtttttc	agactctagc	ttccttgacc	ttgtgctcta	tggttttgaa	cacacaggac	420
ccaagtttgc	tgcagaaata	acctccaaat	ccatcttatg	aaccaggaag	actgtgaggg	480
tttttctttt	ttttttttaa	gggccaaagg	taaatgtaat	atttatcatt	agcaccacat	540
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taatgaaaaa	ggaaatggat	aagggaaaca	agttcccagc	ctatgtcaca	tgagtttctg	660
cactatgtgt	tatgtggtaa	ggtatgcatt	ccctcaggac	ttcccaaata	cattacatgc	720
tagggttttc	tctctggtat	gcattctggt	gtgatgtacc	ctaagagctg	ccttacggac	780
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ctccccgtgt	tgaattctct	ggtgtgcact	aaggtgtgat	ttctgggaga	acgttttccc	960
acaatcatta	cattcatagg	atttctcccc	tgtgtgaatt	ctttgatgta	ctctgagggg	1020
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aactctctga	tgtgcactaa	catatgactt	ctcagagaag	gttttccac	attcactgca	1140
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acattgggta	cattcatagg	gtttctcccc	tgtgtgaatt	ctttgatgca	ctatgagggc	1440
tgcccttatag	acaaaagttt	tccacataac	gttacattca	tacggttttt	cccctgtgtg	1500
aattctctca	tgtccactga	ggtatgattt	ctgggagaaa	gttttccac	acttgctaca	1560
ttcatagggg	ttctccccctg	tgtgaattct	ccgatgtgta	ctgaggcgtg	tcttctggaa	1620

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agttttctct cctgagtggg gcctctgatg ctgaatgagg tgtgctttcc ggtaaaagga 2700
ttttctgcat ttcccatgtt catcagaaag gtagaattta tcttctgtgt gaattctctg 2760
atgtgctgta aagtctaatt tctggtagag ggcattctgc 2799

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<210> 5075
<211> 2261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(1387)
<223> similar to gi746490 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5075
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catgcttccc aggetgctgt gcgaggagct gtgcagcctc aaccccatgt ccgacaagct 180
gaccttctct gtgatctgga cactgactcc agagggcaag atccttgatg aatggtttgg 240
ccggaccatc atccgctcct gcaccaaact tagctacgag catgcacaga gcatgattga 300
aagcccaact gagaaaatcc ctgcgaaaga gctgcccccc atttccccag agcatagcag 360
cgaggaggta caccaggccg tcttgaatct ccacggaatt gccaaagcagt tacgccagca 420
gcgctttgtg gacggcgcac ttcgtttgga tcagctaaag cttgctttca ctctggacca 480
cgagaccgga ttgectcaag gatgtcatat ctatgagtac cgcgagagca acaagctcgt 540
ggaggagttc atgctcttgg ccaacatggc agtgggccac aagatccacc gcgccttccc 600
cgagcaggcc ctgctgcgcc ggcaccccccc gccccaaaca aggatgctca gtgacctggt 660
ggaattctgc gaccagatgg ggctgcccggt ggacttcagc tccgcaggag ccctcaataa 720
aagcctgacc caaacatttg gagatgacaa gtactcactg gcccgcaagg aggtgctcac 780
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cccagcgcag ttccggcact acgcgctcaa tgtgcccttg tacacacact tcacctcgcc 900
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cgacgtgctg	gtgctgctg	acggcgctgca	gaagcgcatc	tactgcaacg	cactggccct	1200
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cactggcttt	aggacctgtt	gacacggagg	ggggttttta	atcttggtttt	taacaactca	1560
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caagggaccc	agttcaggct	tcacccctcg	ctgctgagcc	gatgtcaaca	cctggaactt	1920
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tcattctgcc	tgattaaaaa	tggaattagt	atgcaacact	gagagcgccc	ccatcacctt	2040
gacgaatgtg	actgtgtctg	acgaatgtga	ctgtgtccaa	ccctgcccc	acttcctctc	2100
tgcaccagct	ccgcagggcc	tggtgggagt	catgggtcct	gtgatacccc	ctccccctcag	2160
ttcctcaagc	agcactctgt	gaggtcctgt	gccagctct	ggtgtgagtg	ggtgccccgg	2220
cagcaccaag	ggagcctgga	cagaggagcc	ggcctgggct	g		2261

<210> 5076

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(399)

<223> similar to gi5640015 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5076

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gtattcaagt	cttcaagccc	atcacagagt	ccacacagga	gagaaacat	acaaatgtga	180
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tctcattcat	caaagagtcc	atagtagtga	taaattctat	aaaagcgaag	actatggtaa	360
ggactaccct	tcatcagaga	atctacacag	aaatgaagat	tctgttttgt	tttgaagtcc	420
tcaaatggga	gctgaaattt	tccagtcact	agagttcttt	cagtagaaaa	agaattttta	480
aaaattaaaa	tgtaatgttg	ctgcccact	tcaacattca	taatgg		526

<210> 5077

<211> 1115

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(1014)
 <223> similar to gi5353887 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5077

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aatggctttg	tgctctatgt	cctcataaaa	acctatcaca	agaagtcagc	cttccaagta	180
tacatgatta	atttagcagt	agcagatcta	ctttgtgtgt	gcacactgcc	tctccgtgtg	240
gtctattatg	ttcacaaagg	catttggtct	tttggtgact	tcttggtgcc	cctcagcacc	300
tatgctttgt	atgtcaacct	ctattgtagc	atcttcttta	tgacagccat	gagctttttc	360
cgggtgcattg	caattgtttt	tccagtccag	aacattaatt	tggttacaca	gaaaaaagcc	420
aggtttgtgt	gtgtaggtat	ttggattttt	gtgattttga	ccagttctcc	atttctaata	480
gccaaaccac	aaaaagatga	gaaaaataat	accaagtgtc	ttgagcccc	acaagacaat	540
caaactaaaa	atcatgtttt	ggtcttgcat	tatgtgtcat	tgtttggttg	ctttatcatc	600
ccttttggtta	ttataattgg	ctgttacaca	atgatcattt	tgaccttact	aaaaaatca	660
atgaaaaaaa	atctgtcaag	tcataaaaag	gctataggaa	tgatcatggg	cgtgaccgct	720
gccttttttag	tcagtttcat	gccatatcat	attcaacgta	ccattcacct	tcattttttta	780
cacaatgaaa	ctaaaccctg	tgattctgtc	cttagaatgc	agaagtcctg	ggtcataacc	840
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tacaaaaaaa	ataaaaattt	tacttaaaaa	aaaaa			1115

<210> 5078
 <211> 1669
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1665)...(1274)
 <223> similar to gi4973108 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5078

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catacatgtc	atcttcttgc	cacgtcctca	tatggtggaa	gggtcgagtt	agctctctgg	180
ggccttttta	aataagggca	ctaataccta	tcatgagggc	tctgcactcc	tgatctaata	240
acttcccaaa	ggccacttc	ttaaatgcca	tcaccttggg	gattaggatt	tcaacataat	300

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ggcttttgag gggatacaaa ctagaactaa agaacagacc ataggcacca gctaaagact 360
ggtatgtcag taagaatagc tgaatgaggc tggaaagaga taataattag aagggacaaa 420
gtcccattcc agagcccaac acctagggtt tcattaggct ggggtttctc aaactcagta 480
caactgacat tttgggccag attatttttc gttgtggggt actgccctgt gcattatagg 540
atgttttagcg gcacccctgg ctctctattta ctggatgcca gtagcacaca catcccacca 600
tcccccaacc ccccaagtat aatgacaaa atgtctccaa acattgcccc atgtcctctg 660
ggggggcaaaa ttgccccag ttgagactgc tgtattcaat ccacttccat tagttctctt 720
taaatacaca cattctggtc gatataacag atagaaattc ctgatctaga cagcagaatt 780
ctgttgtgtt aagagagaat acacaattat agctaaactc ttattctcac tttatataaa 840
tttattttaca ctcacctaac tacattattc taacaaaaca ctgggacaaac ttgtaaaagt 900
acttatgcat atgtgcagga caggaagaga aaataaagga accagattta ttgggggtggt 960
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tgaagctgtg gggatctgga attctgagga gagccccctg ctttgacta tccttccatc 1440
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cgctggaaac agttcttgga ctgtgatagc cacaacagat gctgtttctg ggatcccagg 1620
accagggctc tggaagatgc cactgcagtg gtagtgcccg ctgtctgcc 1669

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<210> 5079

<211> 913

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (13)...(236)

<223> similar to gill176422 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5079

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gtctccattc agcttgtgga ttgtaagtgg ctgacgctga gtgaggttat gaagctgctg 180
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tgcttagcca ttgatgatga cgacaaaact gataaaacca agaaaatctc caagaagctt 360
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ccatcggtcg gggctgcacg gcctcaggtc aagaagaagc tgccctcccc tttcagcctt 480
ctcaactcag acagttcttg gtactaatgt gaggaacaa acatgttcag gccccgaaca 540
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agtaaccaag aaacctctag gaattagtga aaaaagaact tttttgaggt gtgttactat 720
actgctgtaa gttattttat atataaagta ttgtaaatag aatagcgttg aagatatgaa 780
atatggctat ttttaatggt gacaattatg acttttagtc actattaaat tgggggttacc 840

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<210> 5080
 <211> 686
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (193)...(372)
 <223> similar to gi2865208 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5080	
ctggggccgca	60
agcactgtgt	120
cctccacag	180
tccctaggtg	240
aagacttcag	300
gccgatgcca	360
ggggacagta	420
gagtgttcag	480
ctccctgggt	540
caggcccagc	600
ccgggcatgc	660
acttgagctc	686

<210> 5081
 <211> 1642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> similar to gi4038081 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5081	
atgagacgct	60
gtctttccag	120
cactgggaac	180

ttcctgctga	tcccagagtc	gggagactac	ttcattttact	cccaggtcac	attccgtggg	240
atgacctctg	agtgcagtga	aatcagacaa	gcaggccgac	caaacaagcc	agactccatc	300
actgtgggtca	tcaccaaggt	aacagacagc	taccctgagc	caaccagct	cctcatgggg	360
accaagtctg	tgtgcgaagt	aggtagcaac	tggttccagc	ccatctacct	cggagccatg	420
ttctccttgc	aagaagggga	caagctaattg	gtgaacgtca	gtgacatctc	tttgggtggat	480
tacacaaaag	aagataaaaac	cttcttttgg	gccttcttac	tataggagga	gagcaaatat	540
cattatatga	aagtccctctg	ccaccgagtt	cctaatttttc	tttgttcaaa	tgtaattata	600
accaggggtt	ttcttggggc	cgggagtagg	gggcattcca	cagggacaac	ggttttagcta	660
tgaaattttg	ggccaaaatt	tcacacttca	tgtgccttac	tgatgagagt	actaaactgga	720
aaaaggctga	agagagcaaa	tatattatta	agatgggttg	gaggattggc	gagttttctaa	780
atattaagac	actgatcact	aaatgaatgg	atgatctact	cgggtcagga	ttgaaagaga	840
aatattttcaa	cacctcctgc	tatacaatgg	tcaccagtgg	tccagttatt	gttcaatttg	900
atcataaatt	tgcttcaatt	caggagcttt	gaagggaagt	caaggaaagc	tctagaaaac	960
agtataaaact	ttcagaggca	aaatccttca	ccaatttttc	cacatacttt	catgccttgc	1020
ctaaaaaaa	tgaaaagaga	gttggtatgt	ctcatgaatg	ttcacacaga	aggagttggg	1080
tttcatgtca	tctacagcat	atgagaaaag	ctacctttct	tttgattatg	tacacagata	1140
tctaaataag	gaagtatgag	tttcacatgt	atatcaaaaa	tacaacagtt	gcttgatttc	1200
agtagagttt	tcttgcccac	ctatttttgtg	ctgggttcta	ccttaaccca	gaagacacta	1260
tgaaaaacaa	gacagactcc	actcaaaatt	tatatgaaca	ccactagata	cttcctgatc	1320
aaacatcagt	caacatactc	taaagaataa	ctccaagtct	tgccagggcg	cagtggctca	1380
cacctgtaat	ccaacacttt	tgggaggcca	aggtgggtgg	atcatctaag	gccgggagtt	1440
caagaccagc	ctgaccaacg	tggagaaacc	ccatctctac	taaaaataca	aaattagccg	1500
ggcgtggtag	cgcatggctg	taatcctggc	tactcaggag	gccgaggcag	aagaattgct	1560
tgaactgggg	aggcagaggt	tgcggtgagc	ccagatcgcg	ccattgcact	ccagcctggg	1620
taacaagagc	aaaactctgt	cc				1642

<210> 5082

<211> 1137

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(269)

<223> similar to gi2598168 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5082

tggagagaaa	ccattttaat	gtgaggaatg	tgggaaagaa	ttcagttgga	gtgctgggtct	60
cagtgcccat	cagagggtcc	acacaggaga	gaaaccctat	acgtgtcagc	agtgtgggaa	120
gggcttcagt	caggcctcac	attttcacac	acaccagaga	gtccacactg	gagagaggcc	180
ttacatatgt	gatgtctgtt	gtaagggctt	cagtcagagg	tcacatctca	tctaccatca	240
gagagtccac	actggaggga	atctgtagaa	atgagaggtg	tggttcagcc	ttcagttaga	300
gtcacatct	ttgtctccgt	tgggaagtcc	atgctgatga	ttgtgaaaag	ttccttttaa	360
actagaagct	tcaaagaatc	ttgacaggaa	agaagtctct	caaagtctgt	gttttagact	420
tggttaggac	atgaattctt	tacaaacgtc	atatttcaca	gatgagagaa	aactttgttc	480
tgtaaatatg	atcagtgttt	atatcagagt	accaggtgtc	ccggttctca	agatgtaaca	540
cagcagaaaa	gtcttgtcgg	agtctgcaca	ggagagaggc	cttcctttta	caaaagtatg	600
attgacagaa	aaaatggatg	tcaactaaaa	tgtaacctct	atgtaaggag	gtgtttttca	660
ccactctatc	tctaccatgt	agaattgtgc	ttggctcata	atagggccca	gcaattactg	720

aagaaagtga	agaaaataacc	tataattagg	acaaataactt	gaaaatttcta	gtctgttttc	780
tactctaaat	ttatattaat	ttatattcaa	aaggaatcct	gcaagtagcc	ttaatgacgt	840
tagtttcagt	aagtactgaa	aagtatataa	tactgccatc	cataactaaca	caaatttgga	900
aaaaagacat	gaatggctcc	catccttcag	ccttagttct	ttgtacagt	tatcatcagt	960
tgtgtacagt	atgattttta	gtgtcagttt	atagactgaa	caatactgtt	tttatctaata	1020
gtgaccctgc	aatttacatg	attagaattt	ttggccccta	agctgtactg	taactctgaa	1080
agtgttaaaa	gtagttactg	atgacaaaaa	gtttcttagt	aaacttgaat	tgtaaaa	1137

<210> 5083
 <211> 1839
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1840)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (295)...(640)
 <223> similar to gi4455730 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5083	
gagattgcaa	acctcatctt ggctgagaac tgcgaggctg ccctggctct tcatctctat 60
aggggaggca	ggcttttgca aggccaccga atcccttttg gagtcatctt tgggtggaact 120
gatgtaaagt	aagatgccaa ccaggcggaa aaaaacacag tcatgggcag agttcttgag 180
gaagccagat	ttgctgtcgc tttcacagag tcaatgaagg aaatggcaca agcgcagtg 240
gtcgatccag	tgtttacaag ggaagtga aaagagccgc tggggtacga 300
ttgattggag	agatgcctca agaagatctg cacgcggtgg tgaagaattg cttcgcggtg 360
gtgaatagct	ctgtctctga aggcattgtc gctgcaattt tggaggcaat ggatttagaa 420
gtaccgggat	tggccaggaa catccccggg aatgctgccg tgggtgaagca tgaagtcaca 480
gggctactgt	tttccaatcc tcaggagtgt gtatcatctg caaagagact ggttagtgat 540
cctgcattag	aaaaggaaat cgtagtgaac ggaagggaat acgtgagaat gtatcattca 600
tggcagggtg	aaagagacac ctaccaacag ctcatcagga agctggaagg aagcactgaa 660
gattgagggc	cccgcctcat cagacacctg ctctctgaca cacagctctg ggtgcacact 720
cagagacaga	gttctggatc acgtgggccc agtgagttc aaataaaaacc agcctcagcg 780
gaatccctaga	aaatgttagt cgtgagtcac cagagccact gcattcatcc catatccttc 840
tgtgcgttca	gatgctgtcc caggcgtgtt caccagccag tcctgatgga ggtgcatgag 900
tgactgggtt	gactgggaca gggaaagggt aactggtttt cagggaattt gggagagaat 960
ttgattacct	gccttagggc tttggtgtgg acaatagagg cttattttca agcagtcata 1020
gttcagactc	ctccgcctg ccttctgacc aacctctccc catcgttgcc agtttgaaag 1080
gcaaaagcaa	aacagacgtg tcagctgagc cgagtcctcg caggattttt gttgtgatct 1140
caggactctg	acaggcacgt gggtgacccg aggtctctct gaacactaga aagcgctgtg 1200
agtgaagctc	cgcccgccac agctcacttt tcaatgggtg aattgaaagt tgtgcttttt 1260
agaaaagtgg	ccaggctgcc cgcaggcccc gccacctct tggctgaatt tgagtggaaa 1320
accaggaagg	aacaagcgcc acgtcacgca tagcctgcaa atcgcccgcg tgaccctgag 1380
atggaggcct	gaggcttttg gtccagggtg ggctcttccc cttcccatat cagggaacccg 1440
gggatggatg	tcggaagggt caccagcctc cagccttttg caggatggag cttgggtctg 1500

```
cagggccttg cagccacaca gcgaggtcag tccggggcca gccgcgccat catggtaatg 1560
gtggcctcgc cccatccatg tcatccatgt cacatgagga cgtgcagtct ttccttggtc 1620
cttttcctta gtgggaattt tgcctgggga gaacctccac ttgaataatt gaaatttttt 1680
tgcatcgctt gttgggattt cctttacgga caatgggggg aacgcggtgt ttcccacctc 1740
ttgtgggtag aaagcagtct gctttgagga ggcgagaagg caaagcangg ggcaggggct 1800
ttgctgtggg aagcggttcg tgaaagcggg tttcgacgc 1839
```

```
<210> 5084
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (85)...(406)
<223> similar to gi3327076 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5084
gggttcaaga cccacttctt ggtctgtggg cctggggagg ggtgctggtc aaggagcatg 60
ggtggtgaca gaggtgtctg ggggcagtgt gagatgaatc agatgagcgg agaacctctg 120
gacaagctga acttcgaggc catcaacttc tgtcggggtc tgggcagcca ggcatccacc 180
gtgactgaga ttgtgaagca gcaagacccc ctggtctaca aggccatcca gcaaggcatc 240
aatgctgtga accaggaagc catgaacaat gcacagagga ttgaaaagtg ggtcatcttg 300
gagaaggact tttccatcta tggtggagag ctagggtcaa tgatgaaact taagagacat 360
tttgtagccc agaaatacaa aaaacaaatt gatcacatgt accactgact gctttgatgg 420
agctgctctc agctgttctg atgccttcag caggaagac 459
```

```
<210> 5085
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (633)...(516)
<223> similar to gi5689451 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5085
cactataatg attggtatta aagctgtttt tttttctttt tttaaaaata catgtcaaaa 60
ttttcttgga ctcccctggc aagcaggtat acttcaagag cacgggagct tttctttcaa 120
gagtccacat ttccaggaag gctggtgaga gcaaacgagg gactttcagt aacctggcaa 180
```

```

ggcagaataa agtgaccaag ctggaacgaa tccccctgtg ccctggcttc atcgggacta 240
cctgcaggct gatcaggggt ggccagccac aaacacctcg agggccttcc atttcacttc 300
acactggcag gcacttactc agccctgtta aacacacggt tagtgccata tgcttgagct 360
gagatcacta ggaggggagc cgctgggtaa ctctttggga cttcacattt ccagagggag 420
gcatcttggt tttccctca gctgtgaaa ttcttttgg aaagcttaag agcaaggctg 480
ccctttgcac acaaggacat gctgaccgtt atacctgtg tagatgcctg tctccgttct 540
cattggcagg actactctcc gacccattac tgcttcctga ttgctctttt tcattcaaca 600
aagctgtggc atacgctaac gtgtcctgca gaagattcaa acacaagacg acaaagttag 660
ggccatttca gtggcagcag caaccgccag ggaagactac ctttcatctg accttcagtg 720
ggaccggagg cctgagagtg aggccttcat cacagtcacc agaacccct caac 774

```

```

<210> 5086
<211> 1806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (211)...(826)
<223> similar to gi5817018 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5086
aagacatcag aatttgtatg tgatccatac aatattatgt ttttagtatgc ttttagcaaa 60
caaactcact ggtcttttct tactattaat aatgtgctaa ttttgtatgt gagtttctga 120
tcaaactttt tattcctttg tcatcttttc ctactttaat ggatcgagaa gtggcggtgc 180
ttgctgaaat ggacaaagtg aaagctgaag caacactttg ttagtgaacg taaatatgat 240
gaggatctgg gacgagtagc ccggttcacc tgtgatgtag agaccctaaa gaagagcatt 300
gattcatttg gacaagtgtc tcatccaaag aacagctatt cgaccagatc ccgatgtagc 360
tcagttacat ctgtgtcctt gagtagccca agtgatgcct ctgctgcttc ctcttccacc 420
tgtgcctctc ctccagcct tacaagtgtc aacaagaaaa actttgcacc gggagagact 480
cctgcagcca tagcaaactc cagtggccag ccctaccagc cacttcggga ggtattgcca 540
gggaacagac gaggaggaca gggctatagg ccacaaggcc aaaagtccaa tgaccccatg 600
aaccaagggc ggcatgacag tatgggtcgt tacagaaaca gtcgtggta tcatctggt 660
tccaggtatc agagtgtctc atctcaggca ccaggaaaca ccattgaaag aggccagact 720
cactctgcag ggaccaatgg aactggagtc agcatggagc ccagccctcc cacgccttca 780
ttcaaaaagg ggtcccca gcgcaaaccc aggacctctc agactgaagc cgtgaactct 840
tgagagaaaa tccagttggc ctctctctc tatccacaca attcaacttg ataactggac 900
tttaggaaac ttacagttag atgtaataac aaaaagaagt ttatgcgtat cactttttgt 960
gccattctaa gtatttttgg tttcttgtct ccttatttcc tctttaccat ttttggaggg 1020
gaagctatgt ttttctctg atctttccca gtgatattga ttgaatctgg ttggtcattt 1080
ccaccaggaa tcagaggcag ctgttaccag gtttcggcct tccagttgat cctccactg 1140
tccaggctgt ctcaggagga ggtgaatcag agctagtctg tcacctttcc aatctaagcc 1200
gaagccacag gtgcctgaca ggttcccttc taacaactat ttgaccaaga gaggcaatca 1260
gggggttgta tactgcactg gattcgccag agaagggaaa atttaattag tgaaaaggaa 1320
agaacactag gaaacatttg agaacctgcc tctatcccag aatgtgctgg agatttgaca 1380
ctcaaactag tgtttagtct tctgcttggc accatagctt aacctgcagt ttcttcaaaa 1440
tgcccaatgc cttgtttcct attaccttag attgcaaac agtctaggga agtctatgag 1500
aaagtagcat ttaattaaag tttaaaaaaa aaaaggttgg gcgttgtggc tcatgcctgt 1560
aatcccagca ctttgggagg ctgaggcggg tggatcacta ggtcaggagt tcaagaccag 1620

```

cctggccaac	atggtgaaac	cctgtctgta	ctaaaaatac	aaaaattagc	tgagcatggt	1680
ggcgtgtgcc	tgtaatctca	gctactcagg	aggctgaggc	aggagaatcg	cttgaaccca	1740
ggaggcggag	gctgcagtga	gctgagattg	tgccactgca	ctccagcctg	ggagacagag	1800
caagac						1806

```

<210> 5087
<211> 1784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (38)...(1483)
<223> similar to gi4768838 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5087						
ccagctgcca	ggcaccttgt	aaatacatgg	tgccggggcag	ctggccatga	ctcatccaag	60
tcatcattta	aatttttgaa	tgaatcctga	tcatgccagg	aattcattat	ctaactgtgg	120
aattcggcag	cccaaatacg	gagacagaaa	agttcatcac	atgcacatgc	ggaagaaagg	180
gattaacacc	ttgataaata	tcatgtcacg	ccttggccaa	gatgacccaa	ctccctcgag	240
gattaaccac	aatgaacggg	tggaattcct	gggtgatgct	gttggtgaat	ttctgaccag	300
cgtccatttg	tactatttgg	ttcctagtct	ggaagaagga	ggattagcaa	cctatcgagc	360
tgccatttgt	cagaatcagc	accttgccat	gtagaatacg	aaacttgaac	tggatcgatt	420
tatgctgtat	gctcacgggc	ctgacctttg	tagagaatcg	gaccttcgac	atgcaatggc	480
caattgtttt	gaagcggtta	taggagctgt	ttacttggag	ggaagectgg	aggaagccaa	540
gcagttattt	ggacgcttgc	tctttaatga	tccggacctg	cgcggaagtct	ggctcaatta	600
tcctctccac	ccactccaac	tacaagagcc	aaatactgat	cgacaactta	ttgaaacttc	660
tccggttcta	caaaaactta	ctgagtttga	agaagcaatt	ggagtaattt	ttactcatgt	720
tcgacttctg	gcaagggcat	tcacattgag	aactgtggga	tttaaccatc	tgaccctagg	780
ccacaatcag	agaatggaat	tcctaggtga	ctccataatg	caactggtag	ccacagagta	840
cttattcatt	catttcccag	atcatcatga	aggacactta	actttgttgc	gaagctcttt	900
ggtgaataat	agaactcagg	ccaaggtagc	ggaggagctg	ggcatgcagg	agtacgccat	960
aaccaacgac	aagaccaaga	ggcctgtggc	gcttcgcacc	aagaccttgg	cggacctttt	1020
ggaatcattt	attgcagcgc	tgtacattga	taaggatttg	gaatatgttc	atactttcat	1080
gaatgtctgc	ttctttccac	gattgaaaga	gttcattttg	aatcaggatt	ggaatgaccc	1140
caaatcccag	cttcagcagt	gttgcttgac	acttaggaca	gaaggaaaag	agccagacat	1200
tcctctgtac	aagactctgc	agacagtggg	cccatcccat	gcccgaacct	acactgtggc	1260
tgtttatattc	aaggagagaa	gaataggctg	tgggaaagga	ccaagtattc	agcaagcggg	1320
aatgggagca	gcaatggatg	cgcttgaaaa	atataatttt	ccccagatgg	cccatcagaa	1380
gcggttcac	gaacggaagt	acagacaaga	gttaaaagaa	atgaggtggg	aaagagagca	1440
tcaagagaga	gagccagatg	agactgaaga	catcaagaaa	taaaggaggg	catgcaagtg	1500
tggagtattt	acttgctcag	taactgtgac	tggtgtctat	tgagacctag	cctagttttc	1560
ctgcagacaa	tgaacgaagt	gtgctcattg	aaataaaata	cagagtcaaa	tcgctattgt	1620
tgttttaaatg	atctgttttt	agctggatgg	tctttattac	aaagtattag	atttttcttc	1680
tatttaacgg	aaaacttgac	tttggtgaat	gtgcattact	tcctttttatt	ttgctcttta	1740
aataataaaa	ttcaagaagc	atattctatg	tggaaaaaaa	aaaa		1784

<210> 5088
 <211> 843
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(844)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (795)...(174)
 <223> similar to gi3335567 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5088
 tttttttttt ttttgtaggt cagagacagc tggatcagct ccagcccaca tttattacaa 60
 aatagtgacc gcagttcttg tatagaaaag atccctgaca gccaggtaca cctgcaacgg 120
 cccccacccc acagagttcc tctctcaggt gcctcaggtg tggaagttct cagattcgaa 180
 ggtttcctgc caggagggcg ctgtaccggg cagttgtgag gggcaggtag gcacctacag 240
 cctggtccag aacgtacagt gggtcagaca ggggtgctggg gtcgaagccc tcatttgcca 300
 tccgaacttt ctgctgtttg aaggtctctg tgggtggcaa agactcctgg agcctgagga 360
 atcggggccg ggcataaggt ggcaagttct cagacacgtg ggtgtagagc tgcataaggt 420
 ccaaagcgtg ggggggacgc agaactaggg ctgccattcc agccctgcct tcatgccctg 480
 gcacagtgac tccatagacg ttcacctcct tccacctgaa ggtgtctcca gtacgatcat 540
 ccacctcggt tgtggccaca ttctccccct tccacctgaa ggtgtctcca gtacgatcat 600
 ggaagcggag aaaaccttgg tcatcgcaga ccagcaggtc cccagtgttg aagaaaacat 660
 cccaggccg gaagacatcc tttagcaact tcccctgggc cagctctggc ccgccagcat 720
 agcccaggaa tggggactgc tggttaccg gggccaccag cagccctggc tcacctggca 780
 gagtctccag ggtcaggagt ggtgtgccta ggggctacaa ccagtgtctc aaantngccc 840
 act 843

<210> 5089
 <211> 851
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (92)...(652)
 <223> similar to gi2673914 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5089

```

gtgactgttt ctttttttgc catcacaaaa taatatTTTta gtcaaatttt taaaatctta      60
ttcagaggac tttacctcat tttttccttt tttcagaact gtgacaattg agaagtgcag      120
gaatagcatc tttgtcttgg gccctgtagg gactacactt cacctccaca gttgtgacaa      180
tgttaaagtc attgctgttt gccatcgttt gtccatctct tctacaacag gttgcatctt      240
tcacgttctt acgcctacac gccacttat tctctctggg aaccagacag taacttttgc      300
cccttttcat acacattacc caatgctaga ggaccatatg gccaggactg gccttgctac      360
agtgcctaac tattgggata atccaatggt tgtgtgcaga gagaacagcg acacaagagt      420
cttccagctt ttaccacctt gtgaattcta tgtatttatt attccctttg aaatggaagg      480
ggacacaaca gagatacccg ggggtcttcc atctgtatat cagaaagcac tgggtcaaag      540
agaacagaag atacagatct ggcagaaaac tgtgaaggag gctcatttga caaaggatca      600
aaggaagcag ttccaggtag tggtagagaa caagttttga gaatggttga ttaatacagg      660
acatcgccaa cagctggaca gccttgtagg ccctgcagca ggctccaaac aagcagctgg      720
ataaggatct tacatgcaga cactggggccc tggaaataca aggataaatg gaggatggtg      780
ctcatcttga aacttgaaac taaattggga aggtgctatt gctgcttaag agacattggg      840
acttttctgt c                                     851

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```

<210> 5090
<211> 662
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (74)...(604)
<223> similar to gi3287449 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5090
gaagatacaa gtcacggttg atgatcctgt cacaaagcca gtggtgcaga ttcacacctcc      60
ctctggggct gtggagtagt tggggaacat gaccctgaca tgccatgtgg aagggggcac      120
tcggctagct taccaatggc taaaaaatgg gagacctgtc cacaccagct ccacctactc      180
cttttctccc caaaacaata cccttcatat tgctccagta accaaggaag acattgggaa      240
ttacagctgc ctggtgagga accctgtcag tgaaatggaa agtgatatca ttatgcccac      300
catatattat ggaccttatg gacttcaagt gaattctgat aaagggctaa aagtagggga      360
agtgtttact gttgaccttg gagaggccat cctatttgat tgttctgctg attctcatcc      420
ccccaacacc tactcctgga ttaggaggac tgacaatact acatataatca ttaagcatgg      480
gcctcgctta gaagttgcat ctgagaaaag agcccagaag acaatggact atgtgtgctg      540
tgcttacaac aacataaccg gcaggcaaga tgaaactcat ttcacagtta tcatcacttc      600
cgtaggtatg tgtgacatac aaggaaggga tcctaataaa acatgaatgc atgcaaaaaa      660
aa                                     662

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<210> 5091
<211> 1127
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (137)...(505)
 <223> similar to gi4972120 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5091

ggcgtagcct	aagcgtggga	ttccgcgcgt	gcgctcggct	ccgcctggtg	cggccgcggc	60
cgggagggac	tggattatgt	cggccccgtt	tgaggagcgg	agtggggtgg	taccgtgcgg	120
gaccccgtag	ggccagtggg	accagacctt	ggaggagggtg	ttcattgaag	ttcaggtgcc	180
gccaggcacg	cgcgcccag	atatccagtg	cggcctccag	agccggcatg	tggcgtgtc	240
ggtgggcggc	cgcgagatcc	tcaagggcaa	actctttgat	tctacaatag	ctgatgaggg	300
aacatggact	ttggaggaca	gaaaaatggt	tcgtattggt	cttacaaga	caaagagaga	360
tgcagcaaat	tgttgactt	ctctactaga	atctgaatat	gcagcggatc	cttgggtgca	420
agaccaaagt	cagagaaagc	ttacattaga	gagattccaa	aaagaaaatc	ctggttttga	480
cttcagtggg	gcagaaatct	caggaaacta	cactaaaggt	ggaccagatt	tctcaaacct	540
tgagaaataa	ctgctttttt	tctgcattc	tgtggatcct	agcagatatt	gccaaactta	600
tcagataaac	agattatgta	atggaagaaa	aatgcggatg	cctacagtta	acagattgca	660
aaatgtatct	taaaatgggt	ctaaaaattg	cattcaaaac	taatttacat	aggaaatgta	720
ctgtgggaac	tattctatgg	atataatgg	aagttgtttt	ggacttggtt	ttgctcagca	780
tgaagtttta	tatgctgcat	tttactaatt	ccatatttaa	ccatattttt	aatacaaaag	840
aacattagag	tatagatcat	gtgaaatgaa	gggtgccttt	ggggaaaatt	aactttttct	900
tttgataagt	atgatattca	ataaaatttt	ctaaatagga	attgtgtacc	cctttgtcta	960
agtataacaa	ttcacacaaa	attatagtgc	tgaaaacaat	tttaataaag	gaaaaagtta	1020
attttcccca	aaggcacctt	tcatttcaca	tgatctatac	tctaattgtt	ttttgtatta	1080
aaaatatggt	taaatatgga	attagtaaaa	tgcagcgtcg	acgcggg		1127

<210> 5092
 <211> 1978
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (80)...(669)
 <223> similar to gi3878112 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5092

aggcgtgaat	tcctactcat	gtcctgcact	gaaatctagg	atcggaaga	atccgttttt	60
atttgaaaat	tccttttcag	aaaatcaggc	atttgcttct	cttaagacgg	ttttagagtc	120
tttgccagaa	gacgtacggg	ttaacattga	aataaaatgg	atctgccagc	ccagggatgg	180
aatgtgggat	ggtaacttat	caacatat	tgacatgaat	ctgttttttg	atataatttt	240
aaaaactggt	ttagaaaatt	ctgggaagag	gagaatagtg	ttttcttcat	ttgatgcaga	300
tatttgcaca	atgggttcggc	aaaagcagaa	caaatatccg	atactatttt	taactcaagg	360
aaaatctgag	atttatcctg	aactcatgga	cctcagatct	cggacaaccc	ccattgcaat	420
gagctttgca	cagtttgaaa	atctactggg	gataaatgta	catactgaag	acttgctcag	480

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aaacccatcc tatattcaag aggcaaaagc taagggacta gtcattattct gctgggggtga 540
tgataccaat gatcctgaaa acagaaggaa attgaaggaa cttggaggtta atgggtctaata 600
ttatgatagg atatatgatt ggatgcctga acaaccaaag atattccaag tggagcaatt 660
ggaacgcctg aagcaggaat tgccagagct taagagctgt ttgtgtccca ctgttagccg 720
ctttgttccc tcatctttgt gtggggagtc tgatatccat gtggatgcca acggcattga 780
taacgtggag aatgcttagt ttttattgca cagagggtcat tttggggggcg tgcaccgctg 840
ttctgggtat tcattttttca tcaactgagca ttgttgatct atgccttttg ggcttctcag 900
ttcaatgaag caataatgaa gtatttaact ctttcactac agttccttgca agtatgctat 960
ttaaattact tggccaggta taattgccag tcagtctctt tatagtgaga aaattttattg 1020
gttagtaata taaatatattt aaactaaata tataaatcta taatgttaaa catatgtttca 1080
ttaaaagcat agcactttga aattaactat ataaatagct catatttaca cttacagctt 1140
ttcatttgat caggtctgaa atcttttagca ctttaaggaaa atgactatgc ataattatac 1200
ctgaccatga aaaaaataag tacctcaaat gcatgcattt gcactgggtga ttccaactgc 1260
acaaatcttt gtgccatctt gtatataggt atttttttaca tgggttgaca tgcacacaac 1320
accatttttca ttcagtatga accttgaggc tgctgccatt tttccactta accaaaccag 1380
cctgaagggtg aacctcgaaa cttgtttcat aaatctttca aaagttgttt tacatcaatg 1440
ttaaaatttc aaaatgctgc agggtaattt aatgtataaa atattagtaa gaaaaagtat 1500
gtattgcata cttagtagaa tagatcacia catacaaatt caattcagtg catgctttag 1560
gtgttaagca tgagattgta catgtttact gttaggtcct tgcactctgtg gtgctagggtg 1620
agtatgagaa gatgtcaagg actggacgta ttttggtgcc taaaaaaaaa aaggctgttt 1680
gtaggcgttt taaatatgct tattttgtgt gtctctcact acctattaca cactgttgct 1740
ttgtgggttt gttttgtatg tgcgtgtgtt atacagtagt taaatttcca tgcagaaaaa 1800
taaagtgcct gaattctcat attagtattc tttattgtat atcatgcatg taattttattt 1860
agaaatgtag gtcttactaa atgtatatgc atgtatttca gattatacta ggatttcttg 1920
gattagaagc agatttgtgtt aacgtgtaac ttaaagaatg aatgttaaat aaaatgat 1978

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<210> 5093
<211> 1594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1048)
<223> similar to gi5101768 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5093
atgaccacag gcaccgagat cacagtcatt ggcgagggtga gaggcattcgg tccctggatc 60
ggcggggagcg aggccgcagt cccgacagga gaagacaaga cagccggtac agatctgatt 120
atgaccgagg gagaacacca tctcgccacc gcagctacga acggagcaga gagcgagaaac 180
gggagagaca caggcatcga gacaaccgaa gatcaccatc tctggaaaagg tccctacaaaa 240
aagagtataa gagatctgga agtcgctccc caagtaggga gaagaagaga gctcgttggg 300
aggaagaaaa agaccgttgg agtgacaacc agagttcttg caaagacaag aactataacct 360
caatcaagga aaaagagccc gaggagacca tgcctgacaa gaatgaggag gaagaagaag 420
aacttcttaa gcctgtgtgg gttcgatgca ctcatcaga aaactactac tccagtgacc 480
ccatggatca ggtgggagat tctacagtgg ttggaacgag taggcttcgt gacttatatg 540
acaaatttga ggaggagttg gggagcaggc aagaaaaggc caaagctgct cggcctccgt 600
gggaacctcc aaagacgaag ctcgatgaag atttagagag ttccagtga tccgagtgtg 660
agtctgatga ggacagcacc tgttctagca gctcagactc tgaagttttt gacgttattg 720

```


cagaaatcaa	acgcaaaaag	gcccacctg	accgacttca	tgatgaactt	tggtacaacg	780
atccaggcca	gatgaatgat	ggaccactct	gcaaatgcag	cgcaaaggca	agacgcacag	840
gaattaggca	cagcatttat	cctggagaag	aggccatcaa	gccctgtcgt	cctatgacca	900
acaatgctgg	cagacttttc	cactaccgga	tcacagtctc	cccgcctacg	aactttttta	960
ctgacaggcc	aactgtttata	gaatacgatg	atcacgagta	tatctttgaa	ggatttttcta	1020
tgtttgacac	tgccccctg	accaatattc	cactgtgttaa	agtaattaga	ttcaacatag	1080
actacacgat	tcattttcatt	gaagagatga	tgccggagaa	tttttggtgtg	aaagggcttg	1140
aactcttttc	actgttccta	ttcagagata	ttttggaatt	atatgactgg	aatcttaaag	1200
gtcctttgtt	tgaagacagc	cctccctgct	gcccagagatt	tcatttcatg	ccacgttttg	1260
taagatttct	tccagatgga	ggaaaggaag	tgctgtccat	gcaccagatt	ctcctgtact	1320
tgtaaggtg	cagcaaagcc	ctggtgcctg	aggaggagat	tgccaatatg	cttcagtggg	1380
aggagctgga	gtggcagaaa	tatgcagaag	aatgcaaagg	catgattgtt	accaaccctg	1440
ggacgaaacc	aagctctgtc	cgtatcgatc	aactggatcg	tgaacagttc	aaccccgatg	1500
tgattacttt	tccgattatc	gtccactttg	ggatacgccc	tgcacagtac	caaaaactgt	1560
ggaagagtta	tgtgaaactt	cgccacctcc	tagc			1594

<210> 5094
 <211> 1077
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(784)
 <223> similar to gi3128218 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5094						
ccacagctat	ttacaggaat	tctttctccc	tggaaaggac	tactgctgta	cggccctcca	60
ggtacaggaa	agactttact	ggccaaagct	gtggccactg	aatgtaaaac	aaccttcttt	120
aacatttctg	catccaccat	tgtcagcaaa	tggagagggg	attcagaaaa	actcgttcgg	180
gtgttatttg	agcttgcccg	ctaccacgcc	ccatccacga	tcttcttgga	cgagctggag	240
tcggtgatga	gtcagagagg	cacagcttct	gggggagaac	atgaaggaag	cctgcggatg	300
aagacagagt	tactggtgca	gatggatggg	ctggcacgct	cagaagatct	cgtatttgtc	360
ttagcagctt	ctaacctgcc	gtgggagctg	gactgtgcca	tgttacgccg	cctggagaag	420
aggattctgg	tcgatctccc	cagccgggag	gccaggcagg	ccatgatcta	ccactggctg	480
cctcctgtga	gcaagagcag	ggccttggag	ctgcacacag	agctggagta	cagtgtgctg	540
agccaggaga	ctgagggcta	ctcaggctca	gatattaagc	tcgtctgcag	ggaagcagcc	600
atgcggcccg	tgaggaagat	ctttgatgca	cttgaaaatc	accagtcaga	aagcagcgac	660
ttaccaggga	tccagtttga	tatagtaacc	actgccgact	ttctggatgt	gctaactcac	720
accaagccct	cgcgaaagaa	tctggctcag	agatactcag	actggcaaag	agagttcgag	780
tctgtctgaa	accacattta	ccctgacctg	gccacaaagg	caaccacaaa	gacctctag	840
tttattaatg	tccgtgggag	aacaaaatga	ttggaatgga	aaagagaaaa	ttatttttga	900
agactggatt	aacttgagcc	actgtattgt	tttgatagc	tgagatatat	ttattaactt	960
accattatcg	atgtcagcaa	aatattgaga	gtttcagtta	catacatata	tgtgctattg	1020
ggtcatacaa	tggagatttt	tctgacaatt	agactccata	aaattttaat	gaacaaa	1077

<210> 5095
 <211> 375
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (5)...(332)
 <223> similar to gi29648 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5095
 ttcgagcttt tacatcatag agtctggcga agtgagcatc ttgattagaa gcaggactaa 60
 atcaaacaag gatggtggga accaggaggt cgagattgcc cgctgccata aggggcagta 120
 ctttggagag ctagccctgg tcaccaacaa acccagagct gcctcagctt atgcagttgg 180
 agatgtcaaa tgcttagtta tggatgtaca agcattcgag aggcttctgg ggccctgnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnacta tgaggaacag ctggtgaaga tgtttggtc 300
 cagcgtggat ctgggcaacc tcgggcacat ggggaatcaa aggtggcatg ccaagttcaa 360
 ctcagggctg aggag 375

<210> 5096
 <211> 1538
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(311)
 <223> similar to gi4572367 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5096
 tgcacctctg tgcggagacc aaggatgatg ccctagcatg gaagacagca ctgctggagg 60
 caaactccac cccggtgctg gtctacagcc cgtaccaaga ctactacgag gtggtgcccc 120
 ccaatgcaca cgaggccacg tatgtccgca gctactacgg accgccctac gcaggccctg 180
 gcgtgacgca cgtgatagtg cgggaggatc cctgctacag cgccggcgcc cctctggcca 240
 tgggcatgct tgcgggagcc gccactgggg cggcgctggg ctgctcatg tggctgcctt 300
 gctggttctg agccctggga ctcgagcac tgaccctgc gcttggattg ctgactcct 360
 ctctctctg gaccccatcc tctaccatcc aagccctgtc ccactttggc cctatcctct 420
 ccattagctc cttccgggtt tggaccattc cccccactcc ctacccttaa tccccacatg 480
 ggaagaagct atcatcacag gtacaaacat cgcttgaagt cttcacatct accactagac 540

acccccaaaa	tctgttatag	acattttatgg	atacattttcc	tctaaacaca	acaggggcaca	600
gcaaatacga	cttcattttgg	cttcgagttc	cccaggcgct	gtagacacaa	catgaatcgg	660
gctctctgct	ctctccttag	ggagctcgag	tcctggtggg	gagaacagga	gtaaacaagg	720
acttgacaaa	gctgaagagt	tatcagtcct	ttgacaagga	caggtggggc	agggagcaag	780
acaggtaggc	tgggaagaaca	gttatttggca	agtatgcaga	gccgtgaacg	tcatggcatg	840
tccaaggaat	taaatgggag	ttcattttggg	ctgggggtgga	ggctgggatc	agaccgtggt	900
gggccttcaa	gctaaggagc	ttcctagggtg	aaaggggaga	tgtgagcctt	ctctggaggg	960
aagtttcatg	attgcatcta	taatgaatat	attgcctgtt	ttgtgaatac	tgacacatgt	1020
ccatacctaa	aacactcctg	agttaagtcc	catccttccc	acaaacagct	tcctggctgg	1080
tacccatgat	aacaattgag	ctgaacctgg	ggacccctgg	ttggggaaca	ggtgagttct	1140
atttgagact	tccagcccta	gaaagctgcc	tccgtccaga	aatgcctctc	acaccaggag	1200
ctcggccctc	tctttgtagc	tgtgactgtc	accctctcag	gctttgtctc	atccttcatt	1260
ctgaataaga	tggcagtgtt	ctcctctggg	gcctgatcca	cctctacacc	agcccaggaa	1320
gccccatctg	tgcctgccct	caggtgggtcc	accagtctcc	ccctttggtt	cccttccagt	1380
ctcttccccc	tttctatccc	aatcaccaat	agaaatgcta	acatccctgc	ctggtagcca	1440
gactagccca	ctaaagctcc	cctgtaaagt	ggggctccat	tagttctgct	gccgagacta	1500
ataaagattt	ggttggctct	agccgtacaa	aaaaaaaa			1538

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<210> 5097
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(340)
<223> similar to gi5771403 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5097						
tttcgtgttt	cagaggcccc	tcggtttgag	tccatcatgg	aggacgtgga	ggtgggggct	60
ggggaaactg	ctcgctttgc	ggtgggtggc	gagggaaaac	cactgccgga	catcatgtgg	120
tacaaggacg	aggtgctgct	gaccgagagc	agccatgtga	gcttcgtgta	cgaggagaat	180
gagtgtctcc	tgggtggtgct	cagcacgggg	gcccaggatg	gaggcgtcta	cacctgcacc	240
gcccagaacc	tggcgggtga	ggtctcctgc	aaagcagagt	tggctgtgca	ttcagctcaa	300
acagctatgg	aggtcgaggg	ggtcggggag	gatgaggacc	atcgaggaag	gagactcagc	360
gacttttatg	acatccacca	ggagatcggc	aggggtgctt	tctcctactt	gcggcgcata	420
gtggag						426

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<210> 5098
<211> 5205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```

<222> (3)...(2964)

<223> similar to gi5689401 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5098

ggaacctcaa	cccgggtgtg	gaggagaatt	tccactttga	atgtcacaa	tcctccgacc	60
gcatcaagg	gcgcgtctg	gacgaggatg	acgacatcaa	atcccgcgtg	aaacagagg	120
tcaagaggga	atctgacgat	ttcctggggc	agacgatcat	tgagggtcgg	acgtcagcg	180
gcgagatgga	cgtgtggtac	aacctggaca	agcgaactga	caaactctgc	gtgtcgggtg	240
ccatccggct	ccacatcagt	gtggagatca	aaggcgagga	gaagggtggc	ccgtaccatg	300
tccagtacac	ctgtctgcat	gagaacctgt	tccacttcgt	gaccgacgtg	cagaacaatg	360
gggtcgtgaa	gatcccagat	gccaagggtg	acgatgcctg	gaagggtttac	tacgatgaga	420
cagcccagga	gattgtggac	gagtttgcca	tgcgctacgg	cgtcgagtcc	atctaccaag	480
ccatgaccca	ctttgcctgc	ctctcctcca	agtatatgtg	cccaggggtg	cctgccgtca	540
tgagcaccct	gctcgccaac	atcaatgcct	actacgcaca	caccaccgcc	tccaccaacg	600
tgtctgcctc	cgaccgcttc	gccgcctcca	actttgggaa	agagcgcttc	gtgaaactcc	660
tggaccagct	gcataactcc	ctgcggattg	acctctccat	gtaccggaat	aacttcccag	720
ccagcagccc	ggagagactc	caggacctca	aatccactgt	ggaccttctc	accagcatca	780
ccttctttcg	gatgaaggta	caagaactcc	agagcccgcc	ccgagccagc	caggtggtaa	840
aggactgtgt	gaaagcctgc	cttaattcta	cctacgagta	catcttcaat	aactgccatg	900
aactgtacag	ccgggagtag	cagacagacc	cggccaagaa	gggggaagtt	ccccagagg	960
aacagggggc	cagcatcaag	aacctcgact	tctgggtccaa	gctgattacc	ctcatagtgt	1020
ccatcattga	ggaagacaag	aattcctaca	ctccctgcct	caaccagttt	ccccaggagc	1080
tgaatgtggg	taaaatcagc	gctgaagtga	tgtggaatct	gtttgcccac	gacatgaagt	1140
acgccatgga	ggagcacgac	aagcatcgtc	tatgcaagag	tgccgactac	atgaacctcc	1200
acttcaaggt	gaaatggctc	tacaatgagt	atgtgacgga	acttccctcc	ttcaaggacc	1260
gcgtgcctga	gtaccctgca	tggtttgaac	ccttcgtcat	ccagtggctg	gatgagaatg	1320
aggaggtgtc	ccgggatttc	ctgcacgggtg	ccctggagcg	agacaagaag	gatgggttcc	1380
agcagacctc	agagcatgcc	ctattctcct	gctccgtggt	ggatgttttc	tcccaactca	1440
accagagctt	tgaatcatc	aagaaactcg	agtgtcccga	ccctcagatc	gtggggcact	1500
acatgaggcg	ctttgccaag	accatcagta	atgtgtcctc	ccagtatgca	gacatcatct	1560
ccaaggactt	tgctccttac	tgctccaagg	agaaggagaa	agtgcctctg	attctcatga	1620
ataaactca	acagctacga	gttcagctgg	agaagatgtt	cgaagccatg	ggaggaaagg	1680
agctggatgc	tgaagccagt	gacatcctga	aggagcttca	ggtgaaactc	aataacgtct	1740
tggatgagct	cagccgggtg	tttgctacca	gcttccagcc	gcacattgaa	gagtgtgtca	1800
aacagatggg	tgacatcctt	agccaggtta	agggcacagg	caatgtgcca	gccagtgcct	1860
gcagcagcgt	ggcccaggac	gcggacaatg	tgttgacgcc	catcatggac	ctgctggaca	1920
gcaacctgac	cctctttgcc	aaaatctgtg	agaagactgt	gctgaagcga	gtgctgaagg	1980
agctgtggaa	gctggttatg	aacacatagg	agaaaaccat	cgctctgccc	cccctcactg	2040
accagacgat	gatcgggaac	ctcttgagaa	aacatggcaa	gggattagaa	aagggcaggg	2100
tgaatttgcc	aagccactca	gacggaacct	agatgatctt	caatgcagcc	aaggagctgg	2160
gtcagctgtc	caaactcaag	gatcacatgg	tacgagaaga	agccaagagc	ttgaccccaa	2220
agcagtgcgc	ggttgttgag	ttggccctgg	acaccatcaa	gcaatatttc	cacgcgggtg	2280
gcgtgggcct	caagaagacc	ttcctggaga	agagcccggga	cctgcaatcc	ttgcgctatg	2340
ccctgtcact	ctacacgcag	gccaccgacc	tgctaataca	gacctttgta	cagacgcaat	2400
cggcccaggg	cttggtgtga	gaagacctgt	tggttggaag	ctctgtccat	gttgagctgt	2460
tcaactcatcc	aggaactggg	gaacacaagg	tcacagtga	agtgggtggc	gccaatgacc	2520
tcaagtggca	gacttctggc	atcttccggc	cgttcatcga	ggtcaacatc	attgggcccc	2580
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gccgcatcca	catggacgac	acgggcctca	cgggtgtcgc	aatcctctcg	cagcgcagca	2880
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<210> 5099

<211> 2494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(813)

<223> similar to gi5912067 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 5099
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gccacctcca accatcatgc agcagaataa aaaaggagac atgacccatg agctggtcag 180
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gaatggaaaa ttaccagga ctccattctt aagcctatgc gagtccccta gagagaggca 2400
ttgtactgat atataaatat tatataatat atacatgaga catactgaca gaatctgtaa 2460
gctaataaaa tgtaagaaaa ggtaaaaaaa aaaa 2494

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<210> 5100

<211> 683

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(529)

<223> similar to gi2232013 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

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taaagaatgt gggaagagct tcagacgggtc ctcttatctt ttgatccatc agcgagtcca 180
cactggagaa aagccataca aatgtgacaa gtgtgggaag agctacatta ctaagtcagg 240
tcttgacttg caccacagag cccacacagg agagagacct tataactgtg atgactgtgg 300
gaagagcttt agacaggcct caagtatttt gaatcataag agactccatt gccgaaaaaa 360
accattcaaa tgtgaggatt gtggaaagaa gcttgtatac cggtcatacc gtaaagacca 420
acaaaaaaac cacagtggag aaaatccatc caaatgtgaa gactgtggga agcgctacaa 480
gaggcgcttg aatcttgata taattttatc attattttta aatgacacgt aagtgttgta 540
catatttatg ggggtacagt tgatatTTTaa atatatgtat atgatgtata atgatcaaat 600
cagtgttaatt agcacattta tcacctcaat tatctctttt ttgtgttgag aaaattaaaa 660
attcattgtt ccaaaaaaaa aaa 683

<210> 5101
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(139)
<223> similar to gi603672 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5101
aagcattgtg gaattgtggg tgtaaagttt tgtttgtttg ttttttaata ggcttattat 60
gcccgtgatg ctctggctaa aaacctctac agcaggttgt tttcatgggt ggtaaatacga 120
atcaatgaaa gcattaaggt actgaatttc tatgagcaaa atcagttgta ataaatggta 180
ttcacagtat aaacattaag ttgaagaaag tttaaattta taatcaaata attgattgcc 240
acttacaaag attattcctt aaaaagagtg taccatgtat aagattgaaa tttgtcaggg 300
atTTTgtTTT tTTTgtTTTg ccatgtgtgt tgcttctgac tggatgaatag tctgatgggtc 360
tttgtggagt tactctggga gtcggcgtcc cag 393

<210> 5102
<211> 1838
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (2)...(208)
 <223> similar to gil770576 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5102

tcaggtttat	gatgggtttt	cattcattgg	caacactgga	ccttacgagg	tttctaagaa	60
gctgtatacc	ttgaaacaaa	gtttggccaa	agtggagaat	gcttgttatg	ccttgaaaagt	120
cagagggtca	gaaattccaa	aacatatggt	ggcagatgtg	ttttcagtta	aaacagaaat	180
gatagatcaa	gaagagggca	tttcttagaa	tctaacgtta	ctcagttact	aattcctttg	240
agaactccta	agagaccaat	ttgtaagact	tatttagtat	ttcatttaac	tttattgtgg	300
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ggtgttaata	aagttgccaa	agaagatgta	ttatgaacaa	ttcagcaata	agacaattgt	1560
caacacagtt	gagaataaca	atggtaatcg	ttagtaatat	ttagaattgg	aatttgccta	1620
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atttccagtt	ggttttgtaa	gttttgagaa	tctagatact	gggttttatt	ttttgaaaga	1740
ttagctctgt	ttgtaagggc	tgattccttg	aaaatgtaat	tttccagaaa	aacacctaaa	1800
gaaaataaaa	catggacatg	cctagtaaaa	aaaaaaaa			1838

<210> 5103
 <211> 1646
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (40)...(291)
 <223> similar to gi606976 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5103

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aaagtctttg	tggatcgagc	caccaaccag	agcaagtgtt	ttgggtttgt	tagttttgac	180
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cgtttgagca	gccctttccc	gaaggagcag	ctgcggacgg	aggtggatcg	gacccaaggc	420
tggtgcctgg	ggctaaggcc	actctaagga	ttgtttttat	caagtgggtt	gttctgtgcc	480
tgacgcatag	agcgcaggct	ggcagagcaa	atagggctgg	tgaggagtga	ctgtccaggg	540
gaaccagcag	agggcggttg	gggtgccaa	ggcttctccg	caagggaagc	ccagatttac	600
ttctttcaaa	atcatatcat	tccttagagt	ttagggacca	aaggactatt	gcttttttaa	660
gaatatatat	atctatataa	attaaaacaa	agaaacaaac	aaacaaaaaa	caagacaaac	720
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gtctgtctgt	ctttgtctgt	ctgttgatata	cagtgggtgc	catataaagc	tgatcaatgg	1620
tggtgcttcc	tgccctggctt	ctgtgg				1646

<210> 5104

<211> 1746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (699)...(1629)

<223> similar to gi3851703 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5104

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aagacc						1746

<210> 5105

<211> 3172

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(2191)

<223> similar to gi3319990 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5105

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cgatgtgtcc	catacctgcc	cattcttttg	ctgcttttgg	attatttctt	cgtcttccgg	120
gctatgcgga	agtgtacttg	aaagagagaa	aacatgccca	gtgccttctt	cgattggtat	180
tgggagtga	agatgatgga	gaagggaagc	atattcttca	atctccatca	gccaatgtgc	240
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<210> 5106

<211> 5618

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5619)...(4060)

<223> similar to gi5689389 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<210> 5107

<211> 2291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (308)...(1609)

<223> similar to gi3043632 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 5107
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gaaattgtat ctgttttcaa ggttatatgt aaagtgttaa gacaatatcc tataaaatgc      120
atttttagga agttttgcat tactttcttc ctaagtcttg gtaaagtatt ataattagta      180
ccttgaaaaa aataaaagtga aaagcctttt ggggacttta gacttttagtg tttaaatgta      240
attattttta tttgtttttg gtttatTTTT tttttttatt ttttttgGCC gtggttataa      300
tcttcagcat ctgcaagaag gacgaaaagc tcaacaatat cttgacatgt gctggaaaaca      360
gatggataat agtaaaaaaga agtttgaaag agaattgtaga gaggcagaaa aggcacaaca      420
gagttatgaa agattggata atgatactaa tgcaaccaag gcagatgttg aaaaggccaa      480
acagcagttg aatctgcgta cgcataatgg cgatgaaaat aaaaatgaat atgctgcaca      540
attacaaaac tttaatggag aacaacataa acatttttat gtagtgattc ctcagattta      600
caagcaacta caagaaatgg acgaacgaag gactattaaa ctcagtgaag gttacagagg      660
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gtatttatga t                                     2291

```

<210> 5108

<211> 613

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (616)...(321)

<223> similar to gi4008577 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5108
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acaaaccctg gtcaatgaga aatcaatgct tcctctgaaa gccagcaaca gccggtgctg 120
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cgagggtctca cttttttatt ctgttctctc ttggccttat tcttcttgat gaagttggcc 540
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tagcggggcca gag 613

```

```

<210> 5109
<211> 2423
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2424)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2173)...(1415)
<223> similar to gi4235226 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

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<400> 5109
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aaatatctcc tgttctctatt ttgtcaagtt tctttaatgg ctgaacagaa agaagcttca 180
agtaatggag aaggcattgt ctgagtgcag ctgctttcct gggacgcctg tgccgttcct 240
gtcttccaaa tcctatgctt gggaggcccc tgggaggtac atttttgcca gggaaaccaac 300
ctgaccttaa aaagatgagt gtgacacagc cggctgggca ggaggatgga ggttgccaca 360
gggacaccac ctggcccacg ccctgggnca gcctgggcat gttttgccga gttcggggga 420
gggccacccc acccagaggg cacagggcaa accctaagca cgggggtatt gcccttgaag 480
ccccagggga tgccctgtgc cggatcctca tgccctcattg actagcctgc ttgctgaagg 540
agcccagggg cctgagcctg caacactgca aggggtgaga agggcatgct gctgtgggag 600
cactggactc aaacctcaca ttagaagcta caaagaaccc caaatgcgct tcagagcccc 660
accaaccccc aagccaggct catccctgac acagtgaatc cactgcagcc cccgtgggaa 720
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gatacacaag ggaaaccgca cgtgagaacc agcactccca gcaggagagac gtcactctcc 840
agaggccaca gagatggcag acacctctgt ctccacaatg accccacatc cnaactgaaa 900
gtgtgcagga agacaggtct attgacactg aaatctagaa atcaagggtc acaggcgaat 960
ggaggcatct tcagccctga ggaggccagg ctgtgtctcc tgacgcccct gaggggtgggc 1020

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acagcagcca	gctctgtgtg	ggcggagtc	acgtggtcct	cattctcttc	cctggggaca	1080
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gcccggccca	gctgcctctg	gagccaggag	gccgtggcag	ccacaccaca	gtgtggatcc	1200
agacacgatt	ctgtggaggg	gttccgggat	tccagacaga	ctgaatctcc	atggaatgat	1260
gaaaattaaa	atttacttga	ttatggaagt	ctctgattta	ttccagccaa	aatattagat	1320
gagccactga	gaatcaccac	aaagcaatcg	ccctcacggc	ccttgccagg	gtgacggcac	1380
agcaggagga	caggtgcccc	ggccagtgg	tctagctctt	cacctctgcg	acctccttct	1440
ctgccttctc	tttggccttc	tccttctcct	ccaccttctc	ctctttttcc	agtgttgcta	1500
caatctcagc	cacctggctg	gtggagatgt	gaacatcttc	tttgtccacc	agctcaatca	1560
ccttgacgag	gtcgtcgatg	ttgaccttgc	catccttgtt	ttcatccagt	gctgcggcca	1620
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gctcggtccc	cggccttttg	ggagcagcta	ccacacgttc	gggctcaaaa	tccttctgaa	2160
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aagctcagaa	catatggcag	aggccacact	gggagcaggc	ctgcagggtg	cattgggcag	2280
cacacctgcc	acagaaggtc	cctagggagg	ctccatgcag	ctgccaggtc	acctggggcc	2340
ctctccagaa	caggctagag	caccttatcc	atctctggtc	tccccaagac	tccccaagc	2400
tgccctgtca	cttgacagagc	agg				2423

<210> 5110

<211> 2266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(884)

<223> similar to gi5813803 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5110

atggagtatc	ccgcgccggc	cacggtgcag	gccgcggacg	gcggagcggc	cgggccttac	60
agcagctcgg	agttgctgga	gggccaggag	ccggacgggg	tgcgctttga	ccgcgagagg	120
gcgcgccgcc	tgtgggaagc	cgtgtccggg	gcccagccgg	tgggtagaga	ggaagtggag	180
cacatgatcc	agaagaacca	atgtctcttc	accaacaccc	agtgtaaagt	ttgctgcgcc	240
ttgcttattt	ctgagtccca	gaagctggca	cattaccaga	gcaaaaaaca	tgccaacaaa	300
gtgaagagat	acctagcaat	ccatggaatg	gagacattaa	agggggaaac	gaagaagcta	360
gactcagatc	agaagagcag	cagaagcaaa	gacaagaacc	agtgtgtccc	catctgtaac	420
atgacctttt	cctcccctgt	cgtggcccag	tcgcactacc	tggggaagac	ccacgcaaag	480
aacttaaagc	tgaagcagca	gtccactaag	gtggaagcct	tgaccagaaa	tagagagatg	540
atagacccag	acaagtctctg	cagcctctgc	catgcaactt	tcaacgaccc	tgtcatggct	600
caacaacatt	atgtgggcaa	gaaacacaga	aaacaggaga	ccaagctcaa	actaatggca	660
cgctatgggc	ggctggcgga	ccctgtgtgc	actgactttc	cagctggaaa	gggctacccc	720
tgcaaaacat	gtaagatagt	gctgaactcc	atagaacagt	accaagctca	tgtcagcggc	780

ttcaaacaca	agaaccagtc	acaaaaaaca	gtggcatcat	ccctggggcca	gattccaatg	840
caaaggcaac	ccattcagaa	agactcaacc	accttggaag	actagagggtg	attctgcccc	900
gcattcccata	ttggggccagc	catgagccag	cttcccgtga	ctgctcagcc	cttgggtccc	960
tcttgctcgt	tgttctcacc	aggaaagtac	acgggcctga	ggcaggattg	ggccacagac	1020
agcctctcat	tgggtccgggc	taattcactc	ctgctgctcc	cctttggcag	gggtcctgta	1080
ggatcatgaca	ggggaggcaa	gggtattgag	agactcgggg	tctcgcgggg	tggtagtttg	1140
gaggggtggct	ttccccatth	cccaacccct	ctgggcctta	ggtgctgagg	cccctgccac	1200
ctgtctttcc	tctaaaggtc	agttttgggc	cagttcttgc	aactaaagag	cagagatctc	1260
tctgggccct	agacatttcc	agcaaaacct	ggaactttca	tgccaaacct	ggggcagggc	1320
aggaaacaga	ggaaatggct	gcaacatggg	agcttgagc	taatacgaca	ctctgccttc	1380
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tgggggtggg	ggcggcctcc	atgtccactg	agatcatagg	acactccaat	ggggatggga	1620
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tgccagttt	gctgtggtgc	tagccttccc	catcatccac	cgggtgattt	ctgggtccca	1860
gggaaagaaa	gagagagctg	atgcaggttt	ctacagttag	gaacaggcgt	ttcccaggcc	1920
ccacacccag	atttctctat	ctttgctgtg	ttttatggcc	tgggactgag	tccacacgga	1980
tagatttttc	cttgtaacct	tgagacgaga	attccaagga	gtgtcaccat	cagaggcttc	2040
tcttcattgt	gtcaaagaag	cccctagctg	ctctcgtggc	ctccttcccc	cactccctat	2100
cccttcacct	gtgaaatgcc	tttgctttgc	atattgtgtg	tggatgtgtg	tgtgtgtgtg	2160
tgtgtgtttg	tgtgtatgtg	tgtgcttctg	tgtgtgccta	atgctctgtc	tcttggtcac	2220
tgaagcatcc	aaataaagaa	tttccctcat	gggccagact	acaaaa		2266

<210> 5111

<211> 1041

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (122)...(539)

<223> similar to gi2832266 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5111

cactaacctg	cccctactgc	tggagctgcc	cacacggtgg	tccccgacct	tggggcccaga	60
ccggcacggg	gctccggaaa	aactgcttgg	ggctgagcgg	atgccccgag	ccccgggcgg	120
ctttgagtgc	ttccactgcc	acaaacccta	ccacacgctg	gccgggctgg	ccaggcaccg	180
gcagctgcac	tgccacctgc	agggggggcg	tgtcttcacc	tgcaagtact	gcgacaagga	240
gtacaccagc	ctgggtgccc	tcaagatgca	catccgcact	cacacgctgc	cctgcacctg	300
caagatctgt	ggcaaggcct	tctccaggcc	ctgggttactg	caggggccatg	tccgcacca	360
cacaggggag	aagccctatg	cctgctcgca	ctgcagcagg	gcctttgccg	accgctccaa	420
ccttcgggcc	catctgcaaa	cgcactcaga	cgccaagaag	taccggtgcc	ggcgctgcac	480
caagaccttc	tcccgcatgt	ccctcctggc	gcggcatgag	gagtctggct	gctgcccggg	540
cccctgagag	gcacgtggtc	ggcgcaggta	ggagggatgg	tcctcaccgg	gagagctggc	600
gtccctcctg	ccccagagg	agccaggagt	ctgggagggc	ggggcctggc	ctcacacttg	660
gtgcgtcctc	cacatctgcg	tccaatcaga	accaaagaag	tccagcgggg	gccactgggc	720

cggaggacac	tccccaggc	atcccaccgc	gcggagccca	ctcagaggag	actcctctcc	780
cggggaaggc	tttcatcaga	acaagagcca	tggttccatt	tcgacacggc	caggtctccg	840
gggctaccct	tccaagagtc	agagcctcgg	ggaggtggcc	gccagcatgg	gccggcactg	900
ccgccggatg	gctggcaagg	ctgcctagtt	cccttgacgc	agaaatgaac	agttctgact	960
tatagtgcgc	acggccctgt	ggcccttcct	cagtaggcac	aactacctct	cagccagccc	1020
ccgccagcct	ttggtttggg	g				1041

<210> 5112
 <211> 1698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1699)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1)...(1090)
 <223> similar to gi2589009 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5112						
taccctccaa	atagcaaatg	tacttgga	atcacagttc	ccgaaggaaa	agtagtcgtt	60
ctcaatttcc	gattcataga	cctcgagagt	gacaacctgt	gccgctatga	ctttgtggat	120
gtgtacaatg	gccatgccaa	tggccagcgc	attggccgct	tctgtggcac	tttccggcct	180
ggagcccttg	tgtccagtgg	caacaagatg	atggtgcaga	tgatttctga	tgccaacaca	240
gctggcaatg	gcttcatggc	catgttctcc	gctgctgaac	caaacgaaaag	aggggatcag	300
tattgtggag	gactccttga	cagaccttcc	ggctctttta	aaacccccaa	ctggccagac	360
cgggattacc	ctgcaggagt	cacttgtgtg	tggcacattg	tagcccaaaa	gaatcagctt	420
atagaattaa	agtttgagaa	gtttgatgtg	gagcgagata	actactgccg	atatgattat	480
gtggctgtgt	ttaatggcgg	ggaagtcaac	gatgctagaa	gaattggaaa	gtattggtgt	540
gatagtccac	ctgcgccaat	tgtgtctgag	agaaatgaac	ttcttattca	gtttttatca	600
gacttaagtt	taactgcaga	tgggtttatt	ggtcactaca	tattcaggcc	aaaaaaaactg	660
cctacaacta	cagaacagcc	tgtcaccacc	acattccctg	taaccacggg	tttaaaaacc	720
accgtggcct	tgtgtcaaca	aaagtgtaga	cggacgggga	ctctggaggg	caattattgt	780
tcaagtgact	ttgtattagc	cggcactgtt	atcacaacca	tactcgcga	tgggagtttg	840
cacgccacag	tctcgatcat	caacatctac	aaagagggaa	atttggcgat	tcagcaggcg	900
ggcaagaaca	tgagtgccag	gctgactgtc	gtctgcaagc	agtgccctct	cctcagaaga	960
ggctctaaatt	acattattat	gggccaagta	ggtgaagatg	ggcgaggcaa	aatcatgcc	1020
aacagcttta	tcatgatgtt	caagaccaag	aatcagaagc	tcttgatgc	cttaaaaaat	1080
aagcaatggt	aacagtgaac	tgtgtccatt	taagctgtat	tctgccattg	cctttgaaag	1140
atctatgttc	tctcagtaga	aaaaaaaaata	cttataaaaat	tacatattct	gaaagaggat	1200
tccgaaagat	gggactggtt	gactcttcac	atgatggagg	tatgaggcct	ccgagatagc	1260
tgagggaagt	tctttgcctg	ctgtcagagg	agcagctatc	tgattggaaa	cctgccgact	1320
tagtgcggtg	ataggaagct	aaaagtgtca	agcgttgaca	gcttggaagc	gtttatattat	1380
acatctctgt	aaaaggatat	tttagaattg	agttgtgtga	agatgtcaaa	aaaagatttt	1440
agaagtgcaa	tatttatagt	gttatttgtt	tcaccttcaa	gcctttgccc	tgaggtgtta	1500
caatcttgtc	ttgcgttttc	taaatcaatg	cttaataaaa	tatttttaaa	ggnnnnnnnn	1560

0943725 "012100

```

nnnnnnnnnn nnnngggggg ccgtttttaa gaatccttgg gggggccaaa gtttacgcgg 1620
gcttgcaacg gaatagtttt ttccttatag ggggcggtat tataacctac ctgggaattt 1680
ttggaaagga cctttact 1698

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<210> 5113
<211> 2185
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2011)...(1170)
<223> similar to gil572802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 5113
tttttttttt ttgagtttcc aaaattagaa tttatttcag tttctaagga atgaatcccc 60
gagtgtggca ggaaggacac agccggctcc tgacgcacac ctgatttgat tcaacaccga 120
gtcggcacag acacaaccag agatggcctg ggtccaggct ggggctgcac gggctgtgtc 180
ctggacagcc aggagggagg ccccgcacac agacggccgc cgggcagggg gcctgagcgg 240
gacaggcctg gccacagccc atgtccttgg ccttcacacat aggtgcacac attgtctgcc 300
cagagagggc caagatgccc caggcacccc ttcgctccgg gggctcagga cacaggctcc 360
cagctgaggc cagcctgga cccagagctg atgtttggct gcacgcgagc ccactcggga 420
cagacccaag aacacgaatt ctgtcccttt ggatttaagg ctggtgtttt ttgacattta 480
cttcagtttt tctctctgaa attaaaatta cctgagtaaa agattttaag acattaaaaa 540
agccaaaaac acagaatccc tgcaggcaga cgggtgccagg gaggtggcgg ccagggccag 600
gatgccaggg gcacggtggg gtccgctgga gctccagggc tgggcctttc ccagtctcgc 660
ctgccctgga gccccagga gccgcccctg ggccgacgct cctgtggccg gagcacagga 720
aggcacagtg aggtagggac agtggccatt gtccccgcc tgccaccagg gctgagaggg 780
cagcgcacgc ctgggcccct cctataagcc cctgcccct cggagctggg tgtcttgtec 840
agaagccggg gaacggcccc tgcagtgtgg gaggggaggg gctgccggga ggctgagct 900
cagacagtta aataatcctt tatttggttg ggctggggga ggggtgactg gcccaggagg 960
gcaggcgagg ccgggcccag acccccattg ggggtggcag gggcctcggg cgggctagga 1020
tgcacctggc acccagaagt gccgcggggg cactggctcc tcaggggccc gagcgggcgg 1080
ggagcagtct cctacttgtg ccgggcctcg gtcaccctct gcaggcagta ctgcgcggcg 1140
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aggccgaaga aggcggcctt cacggccaac cgagacactc tgccggagac ggacggcggg 1260
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tcagaggccc gaggcagctc gaggcgcgcg gcggcctggc gcagcatgta ggttaggtag 1440
acgtcgcgct ccgagacgat ggtgcggtgc aggtctggga actcgccaat catctcggcc 1500
atcatctgct ccagtaggtc cttctgcttg cagcgttcca cgtcactcct gctgatgggg 1560
tctgacagga agcacaggcc ccaagccagc ctgaccttct gccagaagga gagcgctgcg 1620
atggccctct tgaaggtgac ggggatgggt cggtcaccca ggtggaactt gcagaaaggc 1680
accttgctgg cctccttgaa ggccctccctg aactcgccac ctggggccat gccagctgc 1740
tcgggtgatgt gtgcagacac cttcagcagc agcatctgca tcagccccga catgagcccg 1800
ttctgcctca cggcctgctg cagcttctcc aggtgagct cctgggcctc ccgcagcagc 1860
gtgctctcgt ccattctcag catggacaca cgatattggc agagctccac gaccaccacg 1920
tcaggctgca cctcccgat ggtcttcaca acgtccctct tgctgtcgtc gctgaagtgg 1980
gctgtcccca ccacgtacac cctgctcccg tcctcagcca ccaactgggt cacagtgcgc 2040

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```

ggcagggttg gccgctgacg ccgcccgttc agcttcatct ccaggagcag gttgaaggcg 2100
tccacgtcgg acaggttctg ggggtctcca gaaagcacc tgggcaccgg ctctgaagcc 2160
acgaaatcgt cgacccggga attcc 2185

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<210> 5114
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(315)
<223> similar to gi5103027 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5114
ccccggccac ctaccaccca ctccactcca acctccaagc ccacctgggc cagctttccc 60
cgctcctga gcacctggc ttcgacgcc tggatcaact gagccagggtg gaactcctgg 120
gggacatgga tcgcaatgaa ttcgaccagt atttgaacac tcctggccac ccagactccg 180
ccacaggggc catggccctc agtgggcatg ttccggtctc ccagggtgaca ccaacggggtc 240
ccacagagac cagcctcatc tccgtcctgg ctgatgccac ggccacgtac tacaacagct 300
acagtgtgtc atagagctgg aggcgccccg tccggtcagc cctcgcgccc tctccttct 360
gtgccttgag tggcagagga gccgtccagc cacaccagct ttctctccac c 411

```

```

<210> 5115
<211> 2065
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (685)...(959)
<223> similar to gi3875176 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5115
cggacgcgtg ggctcgcgta gccgtgcgcc gattgcctct cggcctgggc aatgggtcccg 60
gctgccggtc gacgaccgcc ccgcgtcatg cggtcctcg gctgggtggca agtattgtg 120
tgggtgctgg gacttcccgt ccgcggcgtg gaggttgagc aggaaagtgg tcgcttatgg 180
tcagaggagc agcctgtcga cctctccag gtgggggctg tgtacctggg tgaggaggag 240
ctcctgcatg acccgatggg ccaggacagg gcagcagaag aggccaatgc ggtgctgggg 300
ctggacaccc aaggcgatca catggtgatg ctgtctgtga ttctgggga agctgaggac 360
aaagtgagtt cagagcctag cggcgtcacc tgtggtgctg gaggagcgga ggactcaagg 420

```

tgcaacgtcc	gagagagcct	tttctctctg	gatggcgctg	gagcacactt	ccctgacaga	480
gaagaggagt	attacacaga	gccagaagtg	gcggaatctg	acgcagcccc	gacagaggac	540
tccaataaca	ctgaaagtct	gaaatcccca	aagggtgaact	gtgaggagag	aaacattaca	600
ggattagaaa	atttcactct	gaaaatttta	aatatgtcac	aggaccttat	ggattttctg	660
aacccaaacg	gtagtgactg	tactctagtc	ctggtttaca	ccccgtggtg	ccgcttttct	720
gccagtttgg	cccctcactt	taactctctg	ccccgggcat	ttccagctct	tcactttttg	780
gcactggatg	catctcagca	cagcagcctt	tctaccaggt	ttggcaccgt	agctgttcct	840
aatattttat	tattttcaagg	agctaaacca	atggccagat	ttaatcatac	agatcgaaca	900
ctggaaacac	tgaaaatctt	cattttttaat	cagacaggta	tagaagccaa	gaagaatgtg	960
gtggtaactc	aagccgacca	aataggccct	cttcccagca	ctttgataaa	aagtgtggac	1020
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actgagagta	ttcgggtggct	aattccagga	caagagcagg	aacatgtgga	gtagtgatgg	1140
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aacccttgat	tccttatata	tgtttaagaa	ggttagtttt	ctgtttcttt	gcagtttttc	1560
ttctagagtc	catagcagga	aagtatgtaa	ccagaattgg	ttagtgtgac	ccccccaagt	1620
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tttgaagtgt	tttaagttgt	ttctgggtaa	gggagatggt	aggagaaagg	aatgctgta	1740
actaaagctc	aattattatc	agttctatgc	taacgtatac	attttaatca	tagttacctc	1800
agcagcatgc	attaattgaa	ccttaaaatg	ttcccactgc	gcctggccta	aacaaacttt	1860
ttgaaaagct	gttttctaaaa	gattccttaa	attcagatat	gacagctaat	tacctcatca	1920
taaattactt	ttataactaat	tgtttccagg	gttttagagt	agttgaatgt	ttatttcaca	1980
aggcacccta	aattctatag	aaataaaaacc	tcagatgagt	ctccttctta	gagtggttaca	2040
atgaatggga	gtttacactt	ttatg				2065

<210> 5116

<211> 2276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (271)...(492)

<223> similar to gi3877645 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5116

gaagagtgtg	cgccaggggg	ctgcctgatg	gagctatgca	tccagctcag	catcgatcatg	60
ctggggaaac	agctgatcca	gaacaacctg	ttcgagatcg	gcatcccgaa	gatgaagaag	120
ctcatccgct	acctgaagct	gaagcagcag	agccccctg	accactagga	gtgtgtgaag	180
aggaaacagc	ggtacgaggt	ggattacaac	ctggagccct	tcgcgggcct	caccccagag	240
tacatggaga	tgatcatcca	gtttggcttc	gtcacccctgt	ttgtcgcttc	cttccccctg	300
gccccactgt	ttgcgtgtgt	gaacaacatc	atcgagatcc	gcctggacgc	caaaaagtgtt	360
gtcactgagc	tccgaaggcc	ggtagctgtc	agagccaaag	acatcggaat	ctggtacaat	420
atcctcagag	gcattgggaa	gcttgctgtc	atcatcaatg	ccttcgtgat	ctccttcacg	480
tctgacttca	tcccgcgcct	ggtgtacctc	tacatgtaca	gtaagaacgg	gaccatgcac	540

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gggttcgcaa ccacaccctc tcctccttca acgtcagtga cttccagaac ggcacggccc 600
ccaatgaccc cctggacctg ggctacgagg cgcagatctg cagggtataa agactaccga 660
gagccgccga ggccggaaaa caagtacgac atctccaagg acttctgggc cgtcctgtgc 720
atccggctgg cagttgtgat cgtcttccag aacctgggtca tgttcatgag cgactttgtg 780
gactgggtca tcccggacat cccaaggac atcagccagc agatccacaa ggagaagggtg 840
ctcatgggtg agctgttcat gcgggaggag caagacaagc agcagctgct ggaaacctgg 900
atggagaagg agcggcagaa ggacgagccg ccgtgcaacc accacaacac caaagcctgc 960
ccagacagcc tcggcagccc agccccagc catgcctacc acggggggcgt cctgtagcta 1020
tgccagcggg gctgggcagg ccagccgggc atcctgaccg atgggcaccc tctcccaggg 1080
caggcggctt cccgctccca ccagggcccg gtgggtcctg ggttttctgc aaacatggag 1140
gaccactttc tgataggaca ttttctttc ttctttctgt tttctttccc ttgtttttgc 1200
acaaagccat tatgcaggga atatttttta atctgtagta ttcaagatga atcaaatga 1260
tggtctggtta tacggcaata aggtagcaaa ggcaggtgct ttgcagaaag aatgcttgga 1320
aacttgagtc tccctagagg tgaaaagtga gcagaggccc ctagaaaccc tcctctgaat 1380
cctcctaatt ccttaagata gatgcaaaat ggtaagccga ggcacgcgc aaaagctggt 1440
gcgatgcttc agggaaaatg gaaaacccac gcaagaataa tgattgattc cggttccaaa 1500
aggtgtcacc tacctgtttc agaaaagtta gactttccat cgctttttcc ttccatcagt 1560
tgagtggctg agagagaagt gcctcatccc tgagccacac agggggcgtg ggagcatccc 1620
agttatccct ggaaagctag aaggggacag aggtgtccct gattaagcag gaaacagcac 1680
ccttggcgtc cccagcaggc tcccactgt cagccacaca cctgccccca tcacaccaag 1740
ccgacctcag agttgttcat ctctcttatg ggacaaaacc ggttgaccag aaaatgggca 1800
gagagagatg acctcggaag catttccaca gatggtgtca gggtttcaag aagtcttatg 1860
gcttccaggg gtcccctgga agcttttagaa tatttatggg tttttttttt caaatatcaa 1920
ttatatggta gattgaggat tttttttctg tagctcaaag gtggaggagg tttattagtt 1980
aaccaaatat cgttgagagg aattttaaact actgttacta cccaaagatt tttattaata 2040
aaggcttata ttttggtaac acttctctat atttttactc acaggaatgt cactgttgga 2100
caattatttt aaaagtgtat aaaaccaagt ctcataaatg atatgagtga tctaaatttg 2160
cagcaatgat actaaacaac tctctgaaat ttctcaagca ccaagagaaa catcatttta 2220
gcaaaggcca ggaggaaaaa tagaaataaa tttgtcttga agatctcaaa aaaaaa 2276

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<210> 5117
 <211> 1547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1489)...(974)
 <223> similar to gi2842518 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 5117
tttttttttt tggatttttt tgtgctttta tgttcgcagt cacacgaaag tggcatctcc 60
atcagcactg gggcggcggg cctcctcatc agccgacagc ttgcacggtc cccgcctctc 120
atccatttgg tctgttttga agttactaga tcatacaaaa ataaccgcta caaattctct 180
gtatctggca tataaaaact gagcaaaaag tatctcttaa agcaaaacat ctcagaaaaa 240
atacaacaca ggtttaactt ctgcagtact ttgttcatat aaaacactag taaaataggc 300
ttcttaaaaa ttaaatagtg aaataccaac caaattatat acattgttac agtacaagtg 360
aatgaggcaa aatatccagt tcttagtttc ccagggtggg ggggggtggc ttcagtgcgt 420
ggcacggagg ggggtgacagg aaggccacgt tccgatgtca cagtcagcgc agaaagaggc 480

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ttgcagcggg	acaaacagat	ggaaagaact	gagtcacaca	gggaagacca	ggggctcctt	540
tgaggaagag	tgaggtcatg	tttttattgc	ttgctaattc	gaggttttcc	ctggcccgat	600
gcccctctag	gtagcctgga	tcccaaattg	tgagccccc	gtagcgctaa	tccatgtcac	660
caagcagcca	cggggaagcc	acagctgctc	cagagaagac	agaactaggc	ttcagagccc	720
tcaatatctg	agctggaccg	atcctggtct	ttcaggtcca	tcaggggtccc	acatggtcca	780
actgacacac	acgtttcccc	gctgacggcc	acgttcacct	gagagcctga	gggcgggcag	840
tgtgggctca	tggcactggg	atggtatcac	tgtggcctgg	gggggtggcac	tcagacccag	900
ccaacccccct	cagcgaccac	agtgcctcgc	ccgcttctct	gccgccacca	gggctgaggg	960
tctacgtgcg	gcgccgcttg	gcagcactgg	gactggaagg	gttgctgttt	gcggtcagga	1020
ctttgtcggg	gacccggctg	cgcttccgct	tgtctgcgcc	ttctttgcac	cccaagtctg	1080
aggagttctt	ctctttgtct	ttgctggatt	tttctgatgc	tttccccaaa	ctccctgaag	1140
atgaaaaaac	atcgtcagcc	ccattgtggg	gggccacgtc	ttccttcatc	tcctctttca	1200
tctcctcttc	tatcatcact	tttccttctc	ggacctcctg	aatgatctct	tctggaagga	1260
cgaagtccct	ctctggattc	gggaatggaa	gaatctcaga	ctcatgcagc	gcctgcatgt	1320
cgtacatggg	gctcagatgg	tcccagatga	ccttggatgg	gacctgccgc	ccgatgttct	1380
ggctgaactt	gtcccgaata	caaatacatgt	ggaagtgtcg	gttcacaccg	acgggcttgt	1440
ggcccagcat	ggcgtggaag	aggcacacct	ccacctcggg	gctccacacc	actgtctcct	1500
ccgccgggct	ggtggccgcc	tcccccgggc	ccttgtcgct	tgccggcg		1547

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<210> 5118
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(864)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (10)...(654)
<223> similar to gil825727 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5118						
ctggaagaag	agcgggagtt	ttataatgcc	aggcgacggg	agcatcgcca	gaggaatgac	60
gttggtggtg	gcggcagtg	gtctcaggag	ttggttcctc	ggcctgggtg	caacaacaaa	120
gaaaaagagg	tgcccgctaa	agaaaaacca	agctttgaac	tttctggggc	acttcttgag	180
gacaccaaca	ctttccgggg	tgtagtcatt	aaatatagtg	agccccaga	agcacgtatc	240
cccaaaaaac	ggtggcgtct	ctacccattt	aaaaatgatg	aggtgcttcc	agtcatgtac	300
atacatcgac	agagtgcgta	cctactgggt	cgacaccgcc	gcattgcaga	cattccaatt	360
gatcacccgt	cttgttcaaa	gcagcatgcg	gtctttcaat	atcggttgt	ggaatatacc	420
cgtgctgatg	gcacagttgg	ccgaagagtg	aagccctaca	tcattgacct	tggctcaggc	480
aatggaacct	tcttaaacaa	caaacgtatt	gagccacaga	gatactatga	actaaaagaa	540
aaggatgtac	tcaaatttgg	attcagtagc	agagaatacg	tcttgctcca	tgagtgcngc	600
gacacttctg	aaatagacag	gaaagatgac	gaggatgagg	aggaggagga	agaagtgtct	660
gacagctagc	aaactaagaa	cccaaactat	tgatacacgg	tttccttctt	ggaagtcttt	720
gattgactca	gagagcacta	tggtggtggg	tccagcacta	tggtgctctc	tgtaatgcct	780
cttactgcct	taagtctttc	ctctgttgct	gaccagattg	tgttaccatt	tgaatacact	840

<210> 5119
 <211> 930
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (12)...(204)
 <223> similar to gi5107816 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5119
 ggaattcccg ggtcgagggg gaccgccttg gggggctgtc catcagccca gcgggcatcg 60
 tgaagcggga tgagctgggtg ttccggatgg tccgtggccg ccgggtgccc atccttatgg 120
 tgacctcagg cgggtaccag aagcgcacag cccgcatcat tgctgactcc atacttaatc 180
 tgtttggcct ggggctcatt gggcctgagt caccagcgt ctccgcacag aactcagaca 240
 caccgctgct tccccctgca gtgccctgac ccttgctgcc ctgcctgtca cgtggccctg 300
 cctatccgcc ccttagtgct ttttgttttc taacctcatg gggtagtgga ggcagccttc 360
 agtgagcatg gaggggcagg gccatccctg gctggggcct ggagctggcc cttcctctac 420
 ttttccctgc tggaagccag aagggttga ggcctctatg ggtgggggca gaaggcagag 480
 cctgtgtccc agggggaccc acacgaagtc accagcccat aggtccaggg aggcaggcag 540
 ttaactgaga attggagagg acaggctagg tcccaggcac agcgagggcc ctgggcttgg 600
 ggtgttctgg ttttgagaac ggcagacca ggtcggagtg aggaagcttc cacctccatc 660
 ctgactaggc ctgcatccta actgggcctc cctccctccc ctgggtcatg ggatttgctg 720
 cctcttttgc ccagagctg aagagctata ggcactggtg tggatggccc aggaggtgct 780
 ggagctaggt ctccaggtg gcttggttcc caggcagcag gtgggaaccc tgggcctgga 840
 tgtgaggggc ggtcaggaag gggtagaggt ggggtccctc atctggagtt ccccctcaat 900
 aaagcaaggt ctggacctgc aaaaaaaaaa 930

<210> 5120
 <211> 2614
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(916)
 <223> similar to gi3294180 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5120

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tacttattga	ttttgcacat	tcattggaatg	aatcgtgggt	tgaaaaaaatg	gaagaaggga	120
actcgagatg	ttggatgca	gccttggttat	cagctacagc	tctgaattat	ctgctgtctt	180
tagttgctat	cgtcctgttc	tttgtctact	acactcatcc	agccagttgt	tcagaaaaaca	240
aggcgttcat	cagtgtcaac	atgctcctct	gcgttggtgc	ttctgtaatg	tctatactgc	300
caaaaatcca	agaatcacaa	ccaagatctg	gtttgttaca	gtcttcagta	attacagtct	360
acacaatgta	tttgacatgg	tcagctatga	ccaatgaacc	agaaacaaat	tgcaacccaa	420
gtctactaag	cataattggc	tacaatacaa	caagcactgt	cccaaaggaa	gggcagtcag	480
tccagtgggtg	gcatgctcaa	ggaattatag	gactaattct	ctttttgttg	tgtgtatttt	540
attccagcat	ccgtacttca	aacaatagtc	aggttataaa	actgactcta	acaagtgatg	600
aatctacatt	aatagaagat	ggtggagcta	gaagtgatgg	atcactggag	gatggggacg	660
atgttcaccg	agctgtagat	aatgaaaggg	atgggtgcac	ttacagttat	tccttctttc	720
acttcatgct	tttcctggct	tcactttata	tcattgatgac	ccttaccaac	tggtacaggt	780
atgaaccctc	tcgtgagatg	aaaagtcagt	ggacagctgt	ctgggtgaaa	atctcttcca	840
gttggtattgg	catcgtgctg	tatgttttga	cactcgtggc	accacttggt	cttataaatc	900
gtgattttga	ctgagtgaga	cttctagcat	gaaagtccca	ctttgattat	tgcttatttg	960
aaaacagtat	tcccaacttt	tgtaaagtgt	tgtatgtttt	tgcttcccat	gtaacttctc	1020
cagtgttctg	gcatgaatta	gattttactg	cttgtcattt	tggtattttt	ttaccaagtg	1080
cattgatatg	tgaagtagaa	tgaattgcag	aggaaagttt	tatgaatatg	gtgatgagtt	1140
agtaaaagtg	gccactattg	ggcttattct	ctgctctata	gttggtgaaat	gaagagtga	1200
aacaaatttg	tttgactatt	ttaaaattat	attagacctt	aagctgtttt	agcaagcatt	1260
aaagcaaattg	tatggctgcc	ttttgaaata	tttgatgtgt	tgcttgccag	gatactgcaa	1320
agaacatggt	ttatttttaa	atttataaac	aagtcactta	aatgccagtt	gtctgaaaaa	1380
tcttataagg	ttttaccctt	gatacggaa	ttacacaggt	aggagtggtt	tagtggacaa	1440
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ttgggtagag	atggcctttg	ccaacaaagt	gaactgtttt	ggttggtttt	aactcatgaa	1560
gtatgggttc	agtggaaaatg	tttggaactc	tgaaggattt	agacaaggtt	ttgaaaagga	1620
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cggtagctca	cccttgtaat	cccagcactt	tgggaggctg	aggtgggtag	attacttgag	1740
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gcttgagccc	aggaggcaga	ggttgacagt	agccaagggtc	acgtcactgc	actctagcct	1920
gggcaacaga	gtaagacaaa	aaaatatata	tatattgaaa	atcaaaggag	gcaaaatttt	1980
gacagggaag	gaagtaactg	caaaacacta	ggctttagta	ggtacttata	taaaatctag	2040
tccagttctc	tattttaaaa	aaatgaagac	actgaagtac	agacttaaat	agctcagata	2100
gctaattagg	aaatttcaag	ttggccaata	atagcattct	ctctgacatt	taaaaataat	2160
ttctattcaa	aatacatgca	taattgattt	tacacctcat	tactggtgga	taatttatgt	2220
gatgtggatt	gctgggtgtc	agcatgaccc	ataaacaggt	cagaagaatg	atggaatgtt	2280
ttagaataaa	ctcctgctta	tagtatacta	cacagttcaa	aagatgttta	aaatgctttt	2340
gtattttactg	ccatgtaatt	gaaatatata	gattattgta	acctttcaac	ctgaaaatca	2400
agcagtatga	gagtttagtt	atgtgtatgt	gtcactagtg	tctaataag	ctttttaa	2460
ctacaatttc	ttctttaaaa	atatttatta	atgtgaatgg	aatataacaa	ttcagcttaa	2520
ttccccaacc	ttattctgtg	tgtagacatt	gtattccaca	atgttgatg	gctgtgtttt	2580
acctctaaat	aatgaattc	agagaaaaaa	aaaa			2614

<210> 5121
 <211> 2945
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2188)...(471)

<223> similar to gil519392 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5121

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ccaaattgtg	tacccaacag	ctcattgaga	acaagccatg	atgacaatgg	cggttttgtc	120
aaatagaaaa	gggggaaatg	tggggaaaag	caagagagat	cagattgtta	ctgtgtctgt	180
gtagaaagaa	gtagacatag	gagactccat	tttgttctgt	actaagaaaa	attcttctgc	240
cttgagattc	tgtaaatcta	taaccttacc	cccaaccccg	tgctctctga	aacatgtgct	300
gtgtcaactc	agagttaa	ggattaaggg	cgggtgcaaga	tgtgctttgt	taaacagatg	360
cttgaaggca	gcatgctcct	tgagagtc	caccactccc	taatctcaag	taccagggga	420
cacaaaaact	gcggaaggcc	gcagggac	ctgcctagga	aagccaggta	ttgtccaagg	480
tttctcccca	tgtgatagtc	tgaaatatgg	cctcgtggga	agggaaagac	ctgaccgtcc	540
cccagcccga	cacccgtaaa	gggtctgtgc	tgaggaggat	tagtaaaaga	ggaaggcatg	600
cctcttgag	ttgagacaag	aggaaggcat	ctgtctcctg	cccgtccctg	ggcaatggaa	660
tgtctcggtg	taaaacccga	ttgattgtac	gttccatcta	ctgagatagg	gaaaaaacgc	720
ctatctcacc	tatcaccgcc	tatcaccact	ccctaattctc	aagtacccag	ggacacaaac	780
actgcggacc	actcccta	ctcaagtacc	cagggacaca	aacactgcgg	aaggccgcag	840
ggtcctctgc	ctaggaaaac	caggtattgt	ccaagggttc	tcccatgtg	atagtctgaa	900
atacagcctc	gtgggaagg	aaagacctga	ctgtcccca	gcccgaac	cgtaaagggt	960
ctgtgctgag	gaggattagt	ataagaggaa	ggcatgcctc	ttgcagttga	gacaagagga	1020
aggcatctgt	ctcctgccc	tccctgggca	atggaatgtc	tcggtataaa	acccgattgt	1080
gcgttctatc	tactgagata	gggaaaaacc	gccttagggc	tggaggtggg	acatgtgggc	1140
agcaatactg	ctttgtaaag	cattgagatg	tttacgtgta	tgcatatcta	aaagcacagc	1200
acttaatcct	ttacctgtgc	tatgatgcaa	agacctttgt	tcacgtgttt	gtctgctgac	1260
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ggttccccgg	gtcccccttat	ttctttctct	atactttgtc	tctgtgtctt	tttcttttcc	1440
aaatctctcg	tcccacctta	cgagaaacac	ccacaggtgt	gtaggggcaa	cccaccccta	1500
catctggtgc	ccaacgtgga	ggcttttctc	taggggtgaag	gtacgctcga	gcgtggctcat	1560
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gttagctaca	aaatatctag	agaacacaaa	ggtgaaacaa	acccagaga	gtatgctgct	1860
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agcgaccatc	gagaacgggc	catgatgacg	atggcggttt	tgtcgaaaag	aaaaggggga	1980
aatgtgggga	aaagcaagag	agatcagatt	gttactgtgt	ctgtgtagaa	agaagtagac	2040
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cttaccacca	accccgctgc	ctctgaaaca	tgtgctgtgt	caactcagag	ttgaatggat	2160
taagggcggt	gcaggatgtg	ctttgttaaa	cagatgcttg	aaggcagcat	gctccttaag	2220
agtcatac	actcccta	ctcaagtacc	cagggacaca	aaaactgcgg	aaggccgcag	2280
ggacctctgc	ctaggaaagc	caggtattgt	ccaagggttc	tcccatgtg	atagtctgaa	2340
atatggcctc	gtgggaagg	aaagacctga	cgtccccca	gcccgaac	cgtaaagggt	2400
ctgtgctgag	gaggattagt	aaaagaggaa	ggaatgcctc	ttgcagttga	gacaagagga	2460
aggcatctgt	ctcctgcctg	tccctgggca	atggaatgtc	tcggtataaa	acccgattgt	2520
atgctccatc	tactgagata	gggaaaaacc	gccttagggc	tggaggtggg	acctgcgggc	2580
agcaatactg	ctttgtaaag	cattgagatg	tttatgtgta	tgcatatcta	aaagcacagc	2640
acttaatcct	ttacattgtc	tatgatgcaa	agacctttgt	tcacgtgttt	gtctgctgac	2700
cctctcccca	caattgtctt	gtgacctga	cacatcccc	tcttcgagaa	acacccacaa	2760
atgatcaata	aatactaagg	gaactcagag	gctggcgagg	tctccatat	gctgaacgct	2820
ggttccccgg	gtcccccttat	ttctgtctct	atactttgtc	tctgtgtctt	tttcttttct	2880
aagtctcttg	ttccacctta	cgagaaacac	cacaggtgtg	gaggggcaac	aagagactta	2940
ggaaa						2945

094937.01300

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<210> 5122
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (742)...(205)
<223> similar to gi777776 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5122
tttttttggg ctgccctcat gggccagggt gttttattcac agagcaacag agtcagcaca      60
gggcaggga cggccaggcc tcagcatatc ctgagacctg cagcctgtcc cagcctgggc      120
ggggcagggtg tccgggtccct ggctaggggtc tgaccaagtg ctggatgtca cgtgaggaag      180
cggggccttg tctgggggtg tctacggatc actggtgaca tatgccggga gggtgacacc      240
atccgcattg aaaaggatgt tgtcaaagcc aggggctgtg gcctctgtgt tgctctggaa      300
ggggcagctc cccttcttgt gcagccagcc ccgtcccca agtcccagca gcaccaggag      360
catgagcaat aggagggcac tgccaaccac agctggcaca gaccgggtg cggctgtgtt      420
ccccgggctg ggggcaggct gctggcaatg ctgcccagcc agatactcca cgtcatccag      480
ggcaatgggc cccagggtg gctggccgcc cagagtggct tcaaacacga tctggaactc      540
cttggcactg gctacctcca cctgggcctc cagccactgg tgccgccgat gcccgcctgc      600
gccccacaca gccagctggc cctgagcact gtgcagcagt accttcagct cccccttgta      660
gaagtgtcga ggaaaacca tgtggtacca gaagcggagg caggaggctg gggtggccgg      720
cagaggctcg ctgcgcagcc a                                           741

```

```

<210> 5123
<211> 1521
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1522)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (1448)...(623)
<223> similar to gi453197 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5123
tttttttttt ttacatcttc actgtagaaa atttatttgc ctttccatgg acaacaatca    60
tttgtattat tatcagtttt ctacaacacg tagagttgtc aaatagctta aagacaagga    120
caagtataga cccttctaga atcagataac tcctagaaaag gtcttctaga caatctgtag    180
tgaagttaag taataacctc aagatttcac aaactgtaaa ctcgatctgg gaattcaacc    240
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ctggaagagt gtttttcagc aggaattgtg gtattggcca cccatcaccc catttaatta    360
aaaatccctg gcctacagga cctacagcaa tgtactgaag aacttcagaa cctcaattag    420
ccatttgcca tcttgagaga gtcttgtcca tggttcaagt gttcccttgg aactcctgaa    480
gggcttgag cttagtctga gccatgggaa atggccaaaag agtctcaaga ttcccactgt    540
atcctgtgcc ttggagcagg caaggagacc atggcagccc ctggccccgg tcagttcttg    600
gctttggcag ttccgggacc aggacgctgg tacagccgga ttatcccttc atcgtgtagc    660
cgcttcaga cttctctctc cagcttgaag tcatggttta tgtaaaagat cagccgcttc    720
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gcttcctggg gtctgtgcct gaaccagaaa aggttttttg acatcacccg ctgattcata   1020
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ttaatgagag ctccgctcaa tcggaacacg tagtcgtgac tgtctatctc ctggcccatg   1260
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ccagcgggga ggctggccag gagcagctgc tgctggggcc ctggagggaa gcgtgtctcc   1380
cccttttgcn ccaaggagta gttgagctcc atgaaaccaa agggtggtgc aaagtgttcc   1440
aggcgcgtac gagtgggcag tcccggnaat tccggncggg tncgacgggt gtcgaagcta   1500
tcaattntcn ngnangcccc g                                     1521

```

```

<210> 5124
<211> 5840
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (2)...(4096)
<223> similar to gi3449298 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5124
gccctgcca cctcacgcag actgccggga cctctggcag accttttctt gcacctgcca    60
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gggatcatgc cggcacctgc caggagcccc ccatggctat acctgtgact gtgtgggtgg    180
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caagacaaat gggcagtgtc actgcaagga gttccactac cgaccgcggg gcagtgactc    360
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cgggcagtgc ccctgtcgcc caggagccct tggccgcccag tgcaacagct gtgacagtcc    480
cttcgcagag gtgacagcca gcggctgccg ggtgctctat gatgcctgcc ctaagtccct    540
gagatctggt gtgtggtggc cccagacaaa gtttggcgct ctggccacag tgccctgtcc    600

```

ccgggggggcc	ctgggattgc	ggggtgcagg	tgctgctgtg	cggtgtgtgt	atgaggccca	660
gggttggtctg	gagccccgacc	tcttcaactg	tacctcccct	gcctttcgag	agctcagtct	720
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<210> 5125
 <211> 1697
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1585)...(1292)
 <223> similar to gil872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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gacccacagg	taatggggta
gtaggggagg	ggatggaccg
cagtaagatt	ctactccctg
gccacttcgc	ggcttgagac
gagaccccca	aattctgatc
tagagggggt	gaggctgcct
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gctgtgcacc	gggttcccta
taaaagagca	tcccggcagg
ctgaagttgg	
aaagatcca	

```

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atgttaccac ttctaaa 1697

```

<210> 5126

<211> 2577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (475)...(1294)

<223> similar to gi310660 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5126

```

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acgaagccgt cagaggcaac tttttcctgt acctgtgagg agcagtacgt gggacttttc 480
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tggtgacggg tacactttac ctgcaactgc agcccgggct tcacagggcc gacctgtgcc 840

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<210> 5127
<211> 6152
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1906)
<223> similar to gi3327076 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
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<210> 5128

<211> 2771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(497)

<223> similar to gi4884128 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<210> 5129
<211> 2629
<212> DNA
<213> Homo sapiens

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<220>
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 <222> (2)...(1278)
 <223> similar to gi3169158 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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tttcatatac	cacaaaggta	atacagcagg	ctggagtcac	tctaatacaa	ttaggagcaa	2400
ttcccttgta	aaatccaccg	acgccttctt	tcctccatgt	ctttgtgatt	acatctatta	2460
caccactgta	aaacatgtgt	tgatcctgaa	gacgagctct	tacgacttga	tatgggtatg	2520
ttgctgcgac	agcaaatatt	ttggatagtg	ctgcaacaga	tatatattct	actgtgctca	2580
actgggcttc	tggtaatcta	ttgatatgct	ggttgtactt	caacttcag		2629

09483235.012100

<210> 5130
 <211> 2389
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2391)...(1943)
 <223> similar to gi5001689 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5130

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gtgtagtccc	agacaccctt	ttcacctgca	gcggtctgga	gtctccgcac	caccgcctcc	180
cactcgggtc	ttctcccttc	ctctgagagc	tctgtgggga	gtgtgaaacc	ggagcgggat	240
ggagctggcc	tcctggagac	actcatctcc	aggaagcagg	gcaggccaac	ctaattccct	300
agagggccga	agagggaaaag	gagggggccct	atgcttggac	aggctcctcg	cagctcgggt	360
ccactttgtc	ctccacagct	gagaaggtga	gctccctggg	caagaactgg	caccgcttct	420
gctgaaatg	tgagcgtctc	cacagcatcc	tgtcccctgg	cgggcatgca	gagcacaatg	480
ggaggccata	ctgccacaag	ccatgctatg	gggtctcttt	tggacccagg	ggccctcccc	540
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gttgccacaa	gaccctgact	gctgggagtc	atgctgagca	tgatggagtc	ccctactgcc	720
acgtcccctg	ctacggctac	ctgtttggcc	ccaaaggtgt	gaacattggc	gatgtgggct	780
gctacatcta	tgaccocagt	aagataaaaat	tcaaattgaga	cgctcacaaa	aaaggtcacc	840
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cccatggggg	ttggggaaag	tgggatcttg	ggggcctggg	cctaggctcc	atggtaggcc	960
agagagtcta	gactttctct	gccaattttt	tccctttccc	atttctatct	ggttagggaa	1020
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caataaaatg	ttggctcccc	atgccttcaa	ctcttctttg	ggcatgagac	ccagtggttt	1200
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gcctcccaag	aggttttcat	ttatccattt	ggggaggatg	aacagactga	ggcccagaga	1560
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tgccaggaca	gtgctccagg	acttcatatc	ggaggacact	agcagtctag	tgccgaacgc	2340

cagggccgtg cccagcagtg tcccggcttg cgtgaggcgg cgtcctgcg

2389

<210> 5131
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(569)
<223> similar to gi2887453 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5131
actggctgaa aagttttaaa ggtctaaggg agaatacaat tatctgtgcc agtcccaaag 60
agctgcaagg agtaaagtgt atcgatgcag tgaagaacta cagcatctgt ggcaaaagta 120
ctacagagag gtttgatctg gccagggctc tcccaaagcc gacgtttaag cccaagctcc 180
ccaggccgaa gcatgagagc aaacccccctt tgcccccgac ggtgggagcc acagagcccg 240
gccagagac cgatgctgac gccgagcaca tctctttcca taaaatcatc gcgggcagcg 300
tggcgctttt cctgtccgtg ctcgatcatc tgctggttat ctacgtgtca tggaagcggg 360
accctgcgag catgaagcag ctgcagcagc gctccctcat gcgaaggcac aggaaaaaga 420
aaagacagtc cctaaagcaa atgactccca gcacccagga attttatgta gattataaac 480
ccaccaacac ggagaccagc gagatgctgc tgaatgggac gggaccctgc acctataaca 540
aatcgggctc cagggagtgt gagatacctt tatcaatgaa tgtgtcaacc tttctggcat 600
acgaccagcc g 611

<210> 5132
<211> 1897
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (159)...(481)
<223> similar to gi3924594 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5132
cgtaacgcgt cacgggcggc ctggcagctg gcggcattga ggcggaacgg tctagaggtc 60
cgtctgaccg cggcgctcggg acctggtttc cgggcatgag ctgagagcac cacgccgagg 120
ccacgagtat ttcatagaca ttgatggaag cagaaaccaa aactcttccc ctggagaatg 180
catccatcct ttcagagggc tctctgcagg aaggacaccg attatggatt ggcaacctgg 240
accccaaaat taccgaatac cacctcctca agctcctcca gaagtttggc aaggtaaagc 300

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agtttgactt cctcttccac aagtcagggtg ctttggaggg acagcctcga ggctactgtt 360
ttgttaactt tgaaactaag caggaagcag agcaagccat ccagtgtctc aatggcaagt 420
tggccctgtc caagaagctg gtggtgcgat gggcacatgc tcaagtaaag agatatgatc 480
ataacaagaa tgataagatt cttccaatca gtctcgagcc atcctcaagc actgagccta 540
ctcagtctaa cctaagtgtc actgcaaaga taaaagccat tgaagcaaaa ctgaaaatga 600
tggcggaaaaa tcctgatgca gagtatccag cagcgctgtt ttattcctac ttaagccac 660
cagataaaaaa aaggactact ccatattcta gaacagcatg gaaatctcga agatgatggt 720
tgtgaattac tgtagcagca aaagcaaatt ggtctccaca cctaaaatcg tctgcctgtg 780
tactttgtag atgtgaatgg tactattcaa cggagcacia tcacatgtta gcatttggtg 840
acataatgtt tttggatgtt cttatggatg tttcttccct aaactatgta tgggaattgag 900
catcatccag aataaatagc gttgtatccc aaatttgtat ttgaaccctg ggatgctcta 960
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ttttaaaatt acatttattg catgggattg tttttatagc atgagaatgt tctgtttgga 1560
attatatcat ggtcagtcta aatagaaaaa gcaaaatttc tttgaaaacc taaacattgc 1620
tatattgggt actatcaaac atacaatttt ctaataattg tgtagcggtc taagtggag 1680
agattgcatt atcttgtgca ggacgaggag aggacatgca gtgggcacag aaagtcaatg 1740
gaacagatgc cactgtggca ccaagactgt aatgactctg tgtggtaggt agttttaaag 1800
gactgcatgc cttggaaatg attcttcact tggagaacat acttgcctct agatatgttt 1860
gtcactctaa gcatcctgaa tataacaata gagaaa 1897

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<210> 5133
<211> 2219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (119)...(1132)
<223> similar to gi2894802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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gcatgattgt gcactagtca tatctgggga ctctctggag gtttgtctaa agtactacga 180
gcatgaattt gtggagctgg cctgccagtg ccctgccgtg gtttgtctgc gctgctcacc 240
caccagaag gccgcattg tgacactgct gcagcagcac acagggagac gcacctgcgc 300
catcgggtgat ggaggaaatg atgtcagcat gattcaggca gcagactgtg ggattgggat 360
tgagggaag gagggtaaac aggcctcgct ggcggccgac ttctccatca cgcagttccg 420
gcacataggc aggtgtctca tgggtgcacgg gcggaacagc tacaagaggt cggcggcact 480
cggccagttc gtcatgcaca ggggccttat catctccacc atgcaggctg tgttttcttc 540
agtcttctac ttcgcatccg tccctttgta tcagggtctc ctcatggtgg ggtatgccac 600

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catatacacc	atgttcccag	tgttcccctt	agtgtctggac	caggacgtga	agccagagat	660
ggcgatgctc	tacccggagc	tgtacaagga	cctcaccaag	ggaagatcct	tgtccttcaa	720
aaccttcctc	atctgggttt	taataagtat	ttaccaaggc	ggcatcctca	tgtatggggc	780
cctggtgctc	ttcgagtctg	agttcgtcca	cgtggtggcc	atctccttca	ccgcactgat	840
cctgaccgag	ctgctgatgg	tggcgctgac	cgtccgcacg	tggcactggc	tgatggtggt	900
ggccgatttc	ctcagcttag	gctgctacgt	gtcctcactc	gcttttctca	atgaatat	960
tggatatagg	aaagtgtctt	ttggagcttt	cttaaatgtt	gcctttatca	ccaccgtgac	1020
cttcctgtgg	aaagtgtcgg	caatcacctg	ggtcagctgc	ctcccgtgtg	atgtcctcaa	1080
ttacctgagg	cgcaagctct	ctcctcccag	ctactgcaag	ctggcctcct	aaggggctgt	1140
gcacccccag	cgggctggcc	ccagcacctt	ctgcccttcc	cagcaccttg	tgcccttgcc	1200
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gactgaaagt	ttaatttctg	cagttccctc	atattcagat	tctttctttg	atgttataac	1860
acaaagtcat	tcctactcaa	atgtaataaa	attgaggctc	cacggaggcc	cgtgtccaca	1920
tcagctgcag	ctcccgtcca	gacagacggc	ctgccccaca	gcctgccctt	tgtgaaaat	1980
accctcgctt	tatacttgca	tttcgctttt	cagtaaaaac	agtcaagtta	ctgagttctc	2040
acataaagag	ctcttctcac	acaccctaaa	ggcaagttgc	gtaaacagtg	gcgtttccga	2100
acgcaattcc	attgcggcca	ccaatgtaaa	tcattgcccc	gagactttgc	tgctagcacg	2160
cgtgtccttc	ccatcctttt	tctatttgca	aaatcacact	cgaacaccat	ttctatata	2219

<210> 5134

<211> 1644

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (740)...(1292)

<223> similar to gi3874826 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5134

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agagcttccc	agaactagac	cacaaccttc	tgtgactgct	gctttcccac	taccccagat	540
tgtttagggg	agaagctggg	gtgacctgta	cccctttgcc	agattgtttg	aagcagggga	600

agggaggtgg	agtgtatttc	cttgcccagg	cctggcacag	gcagccagga	ggaccagcct	660
cacttaagga	taaagaccta	tgctgagaag	agctcctgtg	agtgacgctg	gcaactggctt	720
cccgcctcac	tctacttccc	cagaccaggt	gttcggctgc	cagttggaat	cactctgcca	780
gcgggaagga	gacacggtgc	ccagcttttt	gcggctctgc	attgctgctg	tggataaaag	840
aggtctagat	gtggatggca	tttatcgggt	gagcgggaac	ttggcagtgg	tccagaagct	900
tcgctttctg	gtggacagag	agcgtgcggg	cacctccgat	gggaggtatg	tgttcccaga	960
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gctgctgccc	catttccgtg	ctgcccttgc	actctccgaa	tcagagcagt	gcctctctca	1140
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ccccgtgatgc	aggggaaggaa	gaagagaaaa	catatttccg	gtcatctctg	gtggtgagag	1440
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tgagtgtgac	ttgaggtgtt	gggatgggtg	agggagcttc	tctaaagagg	aaagtgagtg	1560
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<210> 5135
 <211> 3137
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(1177)
 <223> similar to gi5911890 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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caagcctctg	ttcaggatcc	acctgatgga	gaggaaggct	gccacagtgg	agtgcagtga	180
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ggttttctcg	ggaagcagga	ccctcctgac	tgggtgctct	cctgtgagcg	gatagagtga	1560
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<210> 5136
 <211> 5330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(2185)
 <223> similar to gi3327078 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5136						
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<210> 5137

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (527)...(215)

<223> similar to gi2477514 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5137

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cgggaataaa	aattggtccc	ctaaaaaggc	cccccccttt	tttttttttt	ggagctgggg	180
gatgtttact	ggtgtggggg	gacctgggaa	catcactgtc	gttcgtacat	ctctcgtagg	240
atcttcatgc	tttctgagta	acgaagctgg	ttccgatgag	aggcctcctt	ccacctctgg	300
cggatgcgtt	tccagcgtg	catgttgcga	tagatgagt	tggagggtga	gggctcgggc	360
tcagagggct	catcgtcagg	ggtgccctgc	atctcaggct	gcagtggaga	tgggatgcgg	420
gatctgcagg	catctccggg	tggccccggg	ggtgtgggtg	gcggcagctt	gtacacatca	480

cgactcttgc	tgttggttac	ctctgagccc	tggggacaca	agggcccat	gccaggccca	540
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aaatggcatg	aggggctcgc	taagggactc	agacaggagg	catgtatgaa	gggcagacac	660
ctcaaccagc	cagcgggtca	agtgtgcctg	ccccagggac	ccctgtcttc	tcctatccag	720

<210> 5138

<211> 1034

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (20)...(583)

<223> similar to gi6002805 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5138

gaagtgcggg	gaattcgcag	gggctctcat	tgctgacttc	ttgtctggcc	tggtacactg	60
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cttccgggag	caccacattg	acccgacagc	tatcacacgg	cacgacttca	tcgagaccaa	180
cggggacaac	tgcctggtga	cactgctgcc	gctgctaaac	atggcctaca	agttccgcac	240
ccacagccct	gaagccctgg	agcagctata	cccctgggag	tgcttcgtct	tctgcctgat	300
catcttcggc	accttcacca	accagatcca	caagtggctc	cacacgtact	ttgggctgcc	360
acgctgggtc	accctcctgc	aggactggca	tgatcatcct	ccacgtaaac	accatcgcat	420
ccaccacgtc	tcacccacac	agacctactt	ctgcatcacc	acaggctggc	tcaactaccc	480
tctggagaag	ataggcttct	ggcgacgcct	ggaggacctc	atccaggggc	tgacgggcga	540
gaagcctcgg	gcagatgaca	tgaaatgggc	ccagaagatc	aaataacttc	tccgagcctg	600
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aaccctttaa	gggggggttg	ctttggggcc	aaaaattgcc	ctttttcctt	ctttgttggc	960
ccccaggggt	tgggggagcc	cccaggcccc	cttaagggtg	ggggagcttt	gttttgccac	1020
acccttgctt	atgc					1034

<210> 5139

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (985)...(582)

<223> similar to gi4062856 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 5139
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gcagtctgat tgctccaaca cccacagagc aggattcagg tatcccggag accttgggag    180
gtcccatcc agaggtctgc tgcctgcca ggcttggggc agcagggact gggacccac    240
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gatactcca tttggtcca ccaaggccat ttaatttctc tgtaaagggt aagatgacac    360
aaaagagcca actatggaaa cggtgagggt ggagtctgaa ccgatttagc tgttctcagg    420
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<210> 5140
<211> 2742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1005)
<223> similar to gil928886 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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tcaacttcag aggactgtct ttctcttttc agttagactc atggactgag gctccaaagt    180
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aacgaatgta catctacagt ggcaacagcc tgcaggatac caaggctccc atgatgcctc    300
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atgccaaagt gcgggtatct gaacggttcag tgtattttgg tgattcctgc caagatgttc    480
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attctccttc cctcataaaa caagttccat cgaagtgtaa tgactacttt tttaactact    600
tactcttgg agtggacatc ctctttgatg cgaatacaca caaagtgaag aagtttggtc    660
tacacaccaa ttacctggg cattataatt tcaacattta tcatcgctgt gagttcaaga    720
tcccactagc cataaagaaa gaaaacgcag atggtcagac agaaacatgc acgacctaca    780
gcaagtggga caacatccag gagctcctgg gccaccctgt ggagaagcct gttgtcctgc    840
acaggtcttc ctccccaaac aacaccaacc catttggttc cacattctgc tttggtcttc    900

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aaggtgtcgt	cgaaggccca	gcgcaggatg	tccgcatacg	caaggctctc	ggccgcagc	2640
agggcgcgcc	agtgggttcg	cgcgcctcc	ccaactctgt	cggcctcggg	gatgtagtac	2700
ttgatagccc	gcgtgcggat	gggccgcgca	tgcacaatta	cq		2742

```
<210> 5141
<211> 2867
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2868)...(847)
<223> similar to gi556299 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5141					
tttttttttt	ttaaaaatat	tcagaaccaa	gttttatttt	gtagtctgta	cacaggagg	60
ggcagtcaga	agagtacagc	tcacccccag	cagtggagg	gttaaatctc	agggacaacg	120
tggggcagtg	gggacagcac	ctccgaccct	atgggggtgta	ccttcaagta	gcaaggctga	180
caatgatgtc	tagaaaaggtc	tccacttctg	cctgagtttt	gccaaacca	gtggtctata	240
gggatgtggc	aaaagaatga	cctaccgcag	tgtgattatc	agtgtttttt	aaaataaaga	300
gcacagtttt	gccttttaaaa	taattcacat	caacgggtatt	tgggagaaca	tggagctggc	360

ataacattgg	cgtagaaagc	agggccaggc	ccaccacagg	ggccctcgtg	tggggacggg	420
tgcctgagcc	cctgagcccc	tcgagcctct	ggccacggct	ggctgcctgt	gtgctgttgt	480
ctcgtctgtc	ccaccccgag	aagggagttg	aacaatgtga	gttgtctgtg	gcattggaaa	540
gtgcagtggg	tacatgggtg	tgtgcgaagt	ggtagctgtg	gccttcaggc	ggtgcgtcta	600
gcagggtgga	tggggggccag	ggctgctcct	ggctttttgt	gggcagggtg	tgccctccag	660
ggacccccgag	tgcttgcaac	cgctcgggtg	cagtggtctg	caggtctaag	tgctgctgct	720
ggatgcaaat	tccttttggt	gacttttttt	tttttaagaa	aaaaataaaa	ccaatttttg	780
ggttggcacc	tgaggttaata	agttaagaat	aagcaccaaa	atggcccttc	ctggcacgcg	840
ccggctcaca	ggttcttcat	gcacacctgg	cagcggctga	tgtgtgtgcg	gatgaggccg	900
gccttgagcg	tgtcggcgga	gggcgagccc	tggaagctct	gctcgggaat	ggtggtcagc	960
cagaagctgt	acttggttgg	gtagtagtgg	caggtgccgc	ggcctccatt	gcattcgatg	1020
aatggtgtgg	cgcggaagtc	ctctagacag	ctgcccgggtg	acaccagtga	ttggccaccg	1080
ccttcgtctc	ccgccgccgt	gtgcatgagg	aaggaatatc	cgatccacaa	actccgccac	1140
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gcctcacaca	cagaacagcg	gctgatgtag	ggcttgatct	cgtcctcggc	cacgggcac	1260
atgggcagcg	gcgcagtggg	agagagccag	taggacttgt	cggtccggct	ggcatagtag	1320
cagacatcac	cagggttgca	gtacaggaag	ggcatggtgc	tgaaccgcgc	caggcaggag	1380
cccgccagcc	ccaggtcctg	gttgtgcgcc	ttctcctggc	cctcgaagta	cagcaggctg	1440
tatccactcc	agagtttgtt	catgccacc	gggcacatgg	gctcctggtc	cgtctggctg	1500
tgcttcacca	ggaggtagcc	gatgctgacg	ctgcggcctg	gcatacccg	caggcccggg	1560
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tcatctcccc	ggaagccggg	aacagcagac	acaccacctc	ttccttgggg	cccagctttc	1680
cctggagccc	cacgaaaacc	tggttctccg	ggggggccct	ggggcccat	ctcccccggt	1740
gccccagggg	ggcctcgcct	cccctgggga	cccactgtcc	ctggttggac	ggcaatcttc	1800
tgggggattc	ctgcaatccc	gggggctccc	acagtcccgg	gggcaccagg	gaatcctggg	1860
tctcccttgg	gtcccttggg	gcctctgtcg	cccaccgccc	cgggtgggtcc	agtgttcccc	1920
atgaagcctt	gttcacccct	gggccctttt	tctcctggga	gaccaaacac	accaggcctg	1980
ccttggggcc	cggagtcccc	ggcccatcct	ttggtccctg	gggttcctgg	agctcctggg	2040
ttccctgtgt	cacctttgct	tccaggaaga	gcagcagaac	ctggtggccc	tgggtggccc	2100
cgataacctt	tcaggccaaa	tatccctggc	gcccctttgt	caccagggtg	cccagagatg	2160
ttggaagggg	gtgtgatgcc	tgggaacccc	tgaagtccctg	ggctcccagg	tgggcctcgt	2220
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atgtcagaac	ctggggatcc	tggaaagccc	ttggtgcctg	gcaagccgtg	taagccgcgg	2400
atcccacgga	gtcccggaac	acctggtaag	cccggagctc	ccggccagcc	atcatctcct	2460
ttgccaccag	gcagtccaat	ccgccccagc	tctccctgcg	accctggagg	cccagtcagc	2520
cctggaaagc	ctgtttgtcc	tttaagtcca	ggagggcctt	ggactccagt	cacgcctgtt	2580
atcccagggg	agccgatgtc	accttctgtt	cccttctctc	caaagaatcc	cttcagacct	2640
ggtattccag	tgggtgcccc	ctcccccttc	aggcctgggtc	ttcctggtaa	atttatagtg	2700
tccccgatgt	caccgaaatc	accagtgcgc	ccaatctcgc	catacaggcc	tgctctccct	2760
ggggcacctt	tgtcaccccg	gcttcctatg	aatcctggga	atcccgtaat	tccagggggg	2820
ccagccaccc	cagggaatcc	tggcaaaccc	gggatgccgg	ggaggcc		2867

<210> 5142

<211> 3005

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5)...(1096)

<223> similar to gi2827495 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

<400> 5142
gtccatcttc caccgcggcc acgagcgctt ccgcattgcc agcgccctgcc tggacgagct 60
gagctgcgag ttcttgctgg ctggggccgg aggggcccgg gcgggggcccg cgcccggacc 120
gcatctcccc ccacgggggt cgggtgcctgg ggatcctgtc cgcatccact gcaacatcac 180
ggagtcatac cctgctgtgc ccccatctgt gtcgggtggag tctgatgacc ctaacttggc 240
tgctgtcttg gagaggctgg tggacataaa gaaagggaat actctgctat tgcagcatct 300
gaagaggatc atctccgacc tgtgtaaact ctataacctc cctcagcatc cagatgtgga 360
gatgctggat caacccttgc cagcagagca gtgcacacag gaagacgtgt cttcagaaga 420
tgaagatgag gagatgcctg aggacacaga agacttagat cactatgaaa tgaaagagga 480
agagccagct gagggcaaga aatctgaaga tgatggcatt ggaaaagaaa acttggccat 540
cctagagaaa attaaaaaga accagaggca agattactta aatgggtgcag tgtctggctc 600
ggtgcaggcc actgaccggc tgatgaagga gctcagggat atataccgat cacagagttt 660
caaaggcggg aactatgcag tcgaactcgt gaatgacagt ctgtatgatt ggaatgtcaa 720
actcctcaaa gttgaccagg acagcgcttt gcacaacgat ctccagatcc tcaaagagaa 780
agaaggagcc gacttcattc tacttaactt ttcttttaaa gataactttc cttttgaccc 840
accatttgtc agggttgtgt ctccagtcct ctctggaggg tatgttctgg gcggaggggc 900
catctgcatg gaacttctca ccaaacaggg ctggagcagt gcctactcca tagagtcagt 960
gatcatgcag atcagtgcca cactggtgaa ggggaaagca cgagtgcagt ttggagccaa 1020
caaatctcaa tacagtctga caagagcaca gcagtcctac aagtccttgg tgcagatcca 1080
cgaaaaaaac ggctggtaca ccccccaaaa agaagacggc taaccctgga gtatcaccc 1140
tcctccctcc ccaggcacca ctggaccaat tacctttgaa tgctgtattt ggatctcacg 1200
ctgcctctgt ggttccctcc ctcatTTTTt ctggacgtga tagctctgcc tattgcagga 1260
caatgatggc tattctaaac gctaaggaaa aaaaacaaac acagaactgt ttcaagtact 1320
caagactgac ttacagacca accaaccacc ttgctggaac ccttgctagc aggcatctt 1380
ataaaagaaa ctttcgagcc tccttatatt gctggaaact cagctgtgct ccagactaga 1440
gcctccttac ctatgctatg gatttttaac ttattttctc ttatttcatg tacactgctt 1500
tttttggtta cagtgtatga tggatgtgta tgaaaaaaat gtatctttgg gaaaacaatt 1560
acagtttggt aatttgaaaga tgctggtctt gactcatctt tatttttatt cgcatatccc 1620
accccatccc ctgaactact tgggagggtg gaggggtacc agtccacctt tgcttttgg 1680
agagatgaga ggccgcattt tgctgctaaa gcaagagaaa cttggagctg aagcacacac 1740
ctggtctgcc cctagatttc tcctcaaggc ctctggagca accagcacct gcccccttgg 1800
aatgcagagc ctggcctgcc aaactacaat gtggtaggct gaaacgatgg tgtaattct 1860
taggactact tttctagtca cagatgtttt caaatttcta agaaaaagaa aatgaggctc 1920
aagaggctgc ttcgtagaat tccttttgaa tgaattgagt ggggatgggg acacagtctc 1980
caagtgtgta tgtggtcttt tctgatctca gctgtgtggc tgcaactctt cgctgttcat 2040
tggttcctct cctggaaagt ggcttctaac cagcactgga tggatgatcat tggtaagctt 2100
tgctcacctc cctctctctt gcttcatttg gctttatcaa aaagaacaga cctagctctg 2160
aatttgtttg gcttgggaaa ttatggattc tttcaagcca ctcccacaag gtgggtccta 2220
ctagaaaggg ttagcatttt aaggggggtt gttctataca cctgtgtcct taccacaggc 2280
tcaggaactg ccagggaggg aagatgaggt ggggagctg tactgagatg gaactgtcag 2340
tgctgtgttg tatgtacttg ctgttgtaaa agtttgggca tgactttgca tctagcgggt 2400
gctgcctgca tctctttgtc tgtaagcttg ctctgggact cagcctctta ggacctacga 2460
tgccagcagc tctcattaac agtgaaatga cagaggccaa agatggccaa gtgaagaccc 2520
aagtctcaga aaaccagac ttgggacaac tgccctggaa ctaggatgct agagcagttc 2580
tgtaatgctt tgagacacag caattttcac attggccatt ctttccctc cctaccccc 2640
ttttcttttg agggactttt aatgtttgct gctttagggt gatggagagt ccaccaggtc 2700
ccactcaatt gctgctctaa acttctaccc acaccacct taattaaggg gtgctaataa 2760
aacatgctga ggttgagata aagacgggac ataaggggaa aaattcattc catagagctg 2820
aaatctgggt ttcaaggcct ctgtggcttt cttctgaact taccaccagc cctggctgga 2880
atgtagattg tgtttttagt aatgtgtact gtgagctgtc ttctgtataa tgtattttgt 2940
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aaaaa 3005

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<210> 5143
 <211> 604
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (178)...(250)
 <223> similar to gi3845179 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5143
 gggtttttttt ccccccggtt tttttttttt tgtccccggt tttttttttt cccccggtttt 60
 tttaaaagggt ggggggggaaa aattttttttt gggccctata aaaaaaaaaat tttttttttcc 120
 ccggggggggt tttttttttt tttttttttt ggggggggcc cctttttttt tttttttttt 180
 tttttttttt tttttttttt tttttttttt tttttttttt ttgggtcatt tccacatgct 240
 ttattccagc aatcaaaata attaaaaaca tctcaaatta ttatacacat acaaaatagg 300
 tacagagtct tttgcttcct cccaccccta ggggggaaaaa ctgctttgtg ctttgggaag 360
 ttgtctctga aaccggggga cagaggacgc aggacagact aggagggagc cgggaggatg 420
 ggctgcagct gtggaggagg gtttcagagg agagaggctg gagagcagag gcctgagaag 480
 ccagaggcag gtggagagag ggtggaaagt gagcagcggg ctgggctgga gccgcacacg 540
 ctctcctccc atgttaaata gcacctttag aaaaattcac aagtccccat ccacaaaaaa 600
 aaaa 604

<210> 5144
 <211> 1462
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1438)...(1026)
 <223> similar to gi3152703 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5144
 tttttttttt ttccagggtca acacgctttt attgccactt ctggctcccc tcgtcccagc 60
 aagattccta cctcttacct tgtaggaata ctgagctccg atgcagggga atggggtggg 120
 ggtgttacca cttctcctct gcacactgcc aagttaaaga aaaccctgct tgctggagag 180
 ggagggccag acaggaggga attcaagggc atgtatggct cagtcccact tctgactgca 240
 gagtataggg accagggttc caaacttttt ttcgaagtaa gggagggtggg gaagaatttg 300
 gctgctgttg taccctgtgt cctagctgcc atgtttccat ggaaatgaag gtggggcagg 360
 atgtagctca ctctgactac ctgggaggat ggcaggacag gcatttggtg aacatatctc 420

cctccactcc	tacctagcac	atacggctgt	ccccagccga	ccccagggct	ctctectcac	480
tgctgctcc	actcccttcc	cttctggagc	tggtatcatg	ccaagtggag	tccaggcagg	540
gctgccagt	ctactctcca	cagccaggtc	tactggcac	gttaggactc	aagtatgtcc	600
gccaaactca	ggagcatccc	tgctagagct	ggtggtggca	gtgcctcggt	gaaaaggcag	660
cagcagtacc	cccaactctc	tgtgcaactg	ctgtttccca	aacaaaactg	aaaacataaa	720
cccaaact	taagggtatc	actctggcac	aatgctgagg	actgggatgg	gggagaggag	780
gcgcactctc	ctgagactgg	agccacctgt	gcacctgcc	ttctgcccat	ctggagtttg	840
cttcttccca	ctgggctgtc	actggggggc	tggaatccaa	atctccattt	ggtgctgctt	900
tcagcaccca	ctgctgttcg	tttatgaggc	ttgccagttt	ccatgggtgag	gaggtgcagg	960
atggattctc	agtaccatgg	gtcagcccgg	tgtgctggt	tgtagagctg	tagcttgatc	1020
tgatctttga	tctgattcac	taggatctgg	gacagcagaa	ttcccaccag	ctgggggatg	1080
gccaggccta	gagccacacc	accaagtaag	aataggttgc	tgtgtatcca	gttgaccaac	1140
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taaggcacag	agcagcgctc	tcgactgggg	ttgtcttctg	agcagttgaa	atacatgttc	1320
tgagaccagt	ccttgtagga	aatccctcca	cagcagctaa	actttttctg	gccaaaatca	1380
atgaggttct	gcagatccaa	gtcatctcgg	tagtgcaaaa	tggcattggt	gatgatctca	1440
ctcactttcc	ctcgaccggg	ga				1462

<210> 5145

<211> 834

<212> DNA

<213> Homo sapiens

<221> misc feature

$$\langle 222 \rangle \quad (5) \dots (575)$$

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<223> similar to gi3721617 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 5145

gaattcccg	gtcgaaggcc	agctctgcga	cctggacccc	agtgtcact	tctacgggca	60
ctgcggcgag	cagcttgagt	gccggctgga	cacaggcggc	gacctgagcc	gcggagaggt	120
gccggaacct	ctgtgtgcct	gtcgttcgca	gagtccgctc	tgcgggtccg	acggtcacac	180
ctactcccag	atctgcccgc	tgcaggaggc	ggcccgcgct	cggcccgatg	ccaacctcac	240
tgtggcacac	ccggggccct	gcgaatcggg	gccccagatc	gtgtcacatc	catatgacac	300
ttggaatgtg	acagggcagg	atgtgatctt	tggctgtgaa	gtgtttgcct	accccatggc	360
ctccatcgag	tggaggaagg	atggcttgga	catccagctg	ccaggggatg	acccccacat	420
ctctgtgcag	tttaggggtg	gaccccagag	gtttgaggtg	actggctggc	tgcagatcca	480
ggctgtgcgt	cccagtgatg	agggcactta	ccgctgcctt	gcccgcgaatg	ccctgggtca	540
agtggaggcc	cctgctagct	tgacagtgtc	cacacctgac	cagctgaact	ctacaggcat	600
ccccagctg	cgatcactaa	acctggttcc	tgaggaggag	gctgagagtg	aagagaatga	660
cgattactac	taggtccaga	gctctggccc	atgggggtgg	gtgagcggct	atagttgtta	720
tcctgtctct	tgaagacct	ggaaagggag	cagggctcct	catcgactgc	tttcatgctg	780
tcagtaggga	tgatcatggg	aggctatttg	actccaaggt	agcagtgtgg	tagg	834

<210> 5146
 <211> 413
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(299)
 <223> similar to gi3228237 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5146
 gctgtgggtc atcctgctgc cagtccagct gctgcaagcc cagctgctcc cagtccagct 60
 gctgtaagcc ctgctgttcc cagtccagct gctgtaagcc ctgctgctgc tcctcaggct 120
 gtgggtcatc ctgctgccag tccagctgct gcaaaccctg ctgttcccag tccagctgct 180
 gtaagccctg ctgctgctcc tcagggttggg ggtcatcctg ctgccagtc agctgctgca 240
 agccctgctc ctcccagtc agctgctgtg tcccaatttg ctgccagtc aagatctgag 300
 gctctgcccc caaacctcag tgggtcctac agatccgggc tctccaggaa tgactgcagc 360
 tgtgtcctga attcctgaag cacgtctctg aatctgtcct cctctggact aag 413

<210> 5147
 <211> 440
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (9)...(176)
 <223> similar to gi5668703 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5147
 cccggacccc agcaccctca gcaggcagca acgcagggtc tccccccgag gccccactt 60
 cctcaccagc cagccagcc acatcttctc caacaggggc ttccagcgcc cagcagcaac 120
 tcatgcagca gatgatccag cttttggctg gaagtggaaa ctacacaggta catgaggcag 180
 tgggggcagg tgctgggagc accactttga tcttgggagg tttcaaggga agcaatagaa 240
 tagaggcagt agggcaagct tgggagtcag gtctgttct gccacttgct agccttgggc 300
 aggttactga tgctcctga gttcagtttg tgcagatgtg aaatagagat gagaagagta 360
 atgggtactta cccgtgcact acatactgtt ctaaagtctt tagattttgg agctcattta 420
 cgactcattt accacattcc 440

<210> 5148
 <211> 737

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (412)...(122)
 <223> similar to gi4589484 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5148

tttttttttt	ttcaagctgg	cttttcgtat	attgtgtata	aaaagatcag	attcaggatg	60
atttggtggg	attgccaggg	gctgaccgga	gtgttgctgg	gaaggagcct	cagctccgct	120
ccaggtcctc	caccaggtag	gactgggact	cccttagggc	ctggaggagc	aagtccttgc	180
aggtccagtt	ccaggctggt	gtgaaactga	agagcttccg	catcttgctt	gggttggtgg	240
gctcgccccg	cactgcctgg	tactgctcat	ccgtcaggac	cttcccgtac	agagcatcca	300
gcagccactc	aacgtttgtg	accctcgcca	taagcgcagc	ccggtgctgg	tctataaaagt	360
gcaggcctgg	cttggtgcc	gactgaggag	gggcctggat	cccagctggc	gcggctccag	420
agccctggtg	cgtggccgcc	tgcagctgcc	cggccatctc	ctgcaggccc	atgtcgcgca	480
gcacgttagc	ggtgagctcg	gcgccgtagg	tctccaggta	gaagctgacc	agcttgctcg	540
tgagggtccaa	ggcgtccatg	gacagcagcg	cgccccgcgg	gatgcgcccc	tagccctcgc	600
gcagcggcac	cgacagcagc	ttcagcttga	acttcttgag	ctcctcggcg	gtcaggttct	660
ccagcgcata	caggatggcg	tcgcgcgcgc	gccccatggc	tccaggatcc	ccggccgctg	720
ccgccgctca	ccccgct					737

<210> 5149
 <211> 1741
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (3)...(889)
 <223> similar to gil903218 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5149

aggaggtggc	cctgagagcc	acagcagaga	atgagtttgt	cgttctaaag	aaggacgtgg	60
actgtgccta	cctgcggaaa	tcagacctgg	aggccaatgt	ggaggccctg	gtggaggagt	120
ctagcttcct	gaggcgccct	tatgaagagg	agatccgcgt	tctccaagcc	cacatctcag	180
acacctcggt	catagtcaag	atggacaaca	gccgagacct	gaacatggac	tgcatacatg	240
ctgagatcaa	ggctcagtat	gacgatgttg	ccagccgcag	ccgggcccag	gctgagtcct	300
ggtaccgtag	caagtgtgag	gagatgaagg	ccacggtgat	caggcatggg	gagaccctgc	360
gccgcaccaa	ggaggagatc	aacgagctga	accgcatgat	ccagaggctg	acggcccgaga	420
ttgagaatgc	caagtgccag	cgtgccaaagc	tggaggctgc	tgtggctgag	gcagagcagc	480
aggggtgaggc	ggccctcagc	gatccccgct	gcaagctggc	tgagctggag	ggcgccctgc	540
agaaggccaa	gcaggacatg	gcctgcctgc	tcaaggagta	ccaggagggtg	atgaactcca	600
agctgggcct	ggacatcgag	atcgccacct	acaggcgcct	gctggaggggc	gaggaacaca	660

```

ggctgtgtga aggtgtgggc tctgtgaatg tctgtgtcag cagctcccgt ggtggagtct 720
cctgtggggg cctctcctac agcaccaccc cagggcgcca gatcacttct ggcccctcag 780
ccataggcgg cagcatcacg gtggtggccc ctgactcctg tgccccctgc cagcctcgtt 840
cctccagctt cagctgcggg agtagccggg cgggtccgctt tgccctagtag agtcatggag 900
ccagggtctt ctgccaagca cctgcctgcc tgcactactg cactgaatgg catgtgaatg 960
gaaaatgtgt gcttgcttcc agaattcttct ggatgttcct acagagggga agacctacag 1020
agggaaagac cctcggggcg ctcccctgcg ccttttcatg ctaggagat gcatcctagt 1080
tgtcctcctg gcagctgttt tcagaggcat tcccagccct tcaacttaact cctacttagc 1140
tccaaaatac ctgtatccaa tttgtattat tccccagct ctacaggata agaccagtcc 1200
cccagcgtgg tggtcagcac ggaagctcca ccttctgggt ggaggcgcca tcctaaccat 1260
ccagccaggc caccacaac ccgagaatca gggagaaagt ccctcccag cagccccctc 1320
ctcctggctg ggaagaatgg tccccagca agcacttgcc tgttcattcc cgttcatgtt 1380
ttgcttctct ctccagctgc ctccctgctt ctgggctaac ctgttccagc caggctcctc 1440
atgtgacctc gcagttgaga agcccattat cgtggggcat ccttttgctt acagcccctg 1500
gttagggcac tttggacagg tcttgctatt cagtgaacct ttgtacattt caaagaagac 1560
tccatggctg ctccagatgc ccccttgctg ggtgcagggt gggactgtcc aatgcagagc 1620
tggcgggaca gagagttaag ccacttcctg ggtctccttc ttatgactgt ctatgggtgc 1680
attgccttct gggttgtctc gatctgtgtt tcaataaatg ccgctgcaat gcaaaaaaaaa 1740
a 1741

```

```

<210> 5150
<211> 1090
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(818)
<223> similar to gi3868802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5150
cccacgcgtc cgaagagtgt agaggctgat gtcaatgggt taccaagagt gatggatgaa 60
ataatcctgt gcagaacaga tctggagatt cagtatgaaa ccctgagtga ggagatgact 120
tacctcacia tgaaccataa agaggaaatg ctggttctgc agtgcgagc tggaggcaac 180
gtgaacgtgg agatgaacgc agcccccggt gtggacctca cagttctgct gaacaacatg 240
cgagctgagt acgaagccct tgcagagcag aaccgcaggg acgcggaggc ctggttcaac 300
gagaagagcg cctccctgca gcagcagatc tctgaggatg tcggagccac aacctcagcc 360
cggaatgagc tgactgaaat gaagcgact cttaaacc tggaaattga acttcagtct 420
ctcctagcca cgaaacactc cctggagtgc tccttgacag agaccgagag caactactgt 480
gcgcagctgg cgcagatcca ggctcagatc ggggcccctg aggagcagct gcaccaggtc 540
agaaccgaga ccgagggcca gaagctggag tatgagcagc tcctggacat caagctccac 600
ctggaaaaag aaattgagac ctactgtctc cttataggag gagatgatgg agcctgtaag 660
tctgggggtt acaagtctaa agattatgga tctggaaatg tgggaagtca agtcaaagac 720
ccagccaaag ccatagtggg taagaaagtt cttgaggagg tagaccaacg cagcaaaata 780
cttaccacca ggctccactc cctggaagag aaatctcaaa gcaattaatt tgagatgcaa 840
cagagaacgt atgccacata gccctgcga agaaaaggca ttatgtatct gtccagaaaa 900
atgtgcatgt cctaagaaaa atgtctaacc tgttgtcttt ctgttacttt ctttctgggc 960
aatcaatgac agcatctccc ccattccatc ttagaagaat gccacacaca aatatgactc 1020
catttggtt atccctacag aaatctgttg tcaattcttt gtattcaata aacctcttct 1080

```

ttagcaagtt

1090

<210> 5151
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (197)...(435)
<223> similar to gi4874315 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5151
tttcgtgggg aagggcccca ggcaggctga ggattctagg ggcgggggtgg gaaggaggac 60
cggccgaacc ttgggtgtgg gacagagtgc gtgcgtgtgg tgtgtcccca agggcaggaa 120
ggtggcgaag ggagggcgaat ccgagtgggt ggagggaggg gaagggcggg aggagaaaaa 180
ggtgggagga ggaccagggtg ggaggggtggc ggctcactca ggaccagcg ggggcagcgc 240
gatgaggcgg gtgaccctgt tcctgaacgg cagccccaag aacggaaagg tggttgctgt 300
atatggaact ttatctgatt tgctttctgt ggccagcagt aaactcggca taaaagccac 360
cagtgtgtat aatgggaaag gtggactgat tgatgatatt gctttgatca gggatgatga 420
tgttttgttt gtttgtgaag gagagccatt tattgatcct cagacagatt ctaagcctcc 480
tgaaggattg tttggattcc acacagagtg gctg 514

<210> 5152
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(272)
<223> similar to gi5917706 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5152
ggcctggatc cacaacatca cccacgggtc ggggatcggc aagccaatcg aggccttcca 60
tacttcgtct aggaatgcgc gcaacgtctc ccaggcctgg cgccacgcgt tgcccttcac 120
taagatcctg cgcgtgcagg aggtgtgcgc cggcgcgctg cagctgctgg gctaccggcc 180
tgtgtactct gcggaccagc agcgtgacct caccctggat ctggtgctgc cacgaggccc 240
agaccacttc agctgggcat cgcctgactg agaactctgg gccttagagc agggcccgaa 300
ctgtgggtcg caggcccagg aggcgactgc atggtggaga gggagctggg gcgcatgggg 360
aagcaggtcc ctactatcaa ccgggagttt ggggtcctcc cctgaagtag gcaaggactg 420

cacgtttctt	tctctcctga	ttctcggttt	tcctttgaat	cttctggagc	tgccttctca	480
tcaggtgcac	tcttcatgga	aagcaactct	tgccccctacc	tcttctgggc	gcagggagta	540
agttactgct	aaattaaatt	aaatgtgtgc	caggccgggt	gcggtggctc	atgcctgtaa	600
tcccagcatt	ttgagaggct	gaggcgggtg	gatcacctga	ggtcaggagt	tcgaaaccag	660
cctggccaac	atagtgaaac	cccctctcta	ctaaaaatgc	aaaaattagt	ccggcgtggt	720
ggcacc						726

<210> 5153
 <211> 1071
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1003)...(379)
 <223> similar to gi538200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

tttttttttt	ttcataactc	tggtcactat	tttcatccgc	atctgtcact	tctgatgcgt	60
ctctaacatt	tataagattt	ctctggggag	ggatttgacg	tatccatgcc	ccacctcttt	120
ctacatttat	gggattgagc	tctccaccag	ccacccatgg	gctgatgtct	ttggaatatg	180
gatctagtac	caacagagtc	agaaaaagag	atgggggtcca	atgggctaca	gttgggtggt	240
ggtcctggga	tacacagcac	agtggcctct	actgggggat	ggcagctttc	caggagaaga	300
gtcgcaagct	tgcctgtggg	acttgtgtct	tgtggagagg	acagggctgc	ctcagcttgg	360
ggagacagac	agagtgttcc	gggtccccctc	tttccgccgc	agcatgaagt	ctctgggggc	420
gactggactc	atggcataga	agacgttggc	attgtcagga	atcaggagca	cccgggtcccc	480
aggaaggact	tgaagagct	gatagtcaca	ggcccagggc	tggggcacat	tgtgcttctg	540
caaggctcgc	cggaccacgc	tgggggcttt	gtcctgactg	gtcagcaaga	tgcttcgata	600
caggttcccc	tggtcattgt	cgatgctgac	gcggatgaca	cgggcctccg	agctctgctg	660
cgccgggagg	gggattcgag	ggctgccccag	aggcaaagcg	aagggccggg	ggctgggcag	720
gtccaggctc	aggggcagct	tgggtgctggg	gccctggggc	cctggagagg	ccgggggact	780
gccagcagga	gcatctctgc	ttctaggact	tgaggggggt	gaccctgggg	acacactgga	840
ggtgggggat	gaggggtccc	cgggactccc	actaggtgat	gagcttttct	ctcgggcaag	900
cttcgcactg	agacgcttgg	tgaggctgat	ccgccgtcgg	atgcgtgggg	agctggggca	960
ggaggcagct	ggtggctcaa	tgacccggga	gagccggtag	ctgaggggtc	aatctgtgga	1020
tgaggtggtg	ggggcaggaa	atacagggga	tggagagata	agagttggaa	t	1071

<210> 5154
 <211> 608
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (611)...(339)

<223> similar to gil613788 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5154

ttttttgctg	ctccaggagt	ttttattgaa	cattctgggtg	gggtgggggtg	gggttgggag	60
gtgtcctgtc	agtcagtcac	ccaccaatag	cctgggggggc	cgagactcct	gaccccatte	120
tgggcccgtc	ttttggcctc	cctgggcagc	gcccagaaca	gagggggccg	cctgcggggc	180
tgagtgggct	ttgtatgggg	ggcaccatgg	aaggctgccc	gccacaggac	aggccctggg	240
ttgagagggc	ctgggaaggt	gccgccaggc	tagaggtcgg	gaagggcgcc	tgagcagaca	300
cgccagcatc	cgctgctagg	tgctggccag	ggctggggcc	ttggagcccc	gctgcttggt	360
catggcactc	aggagctgct	gcacatatga	ggtcagcagg	tcattccatct	tatagcccag	420
ggaggtctcg	cacagcaggg	ggctgccacg	gcccaggctc	cccagcgcca	tgtggaagta	480
ggtgctgccg	ctgctccagc	tggagatctt	ggtgaaggga	taggtgggtga	gcaggctcct	540
ggtcttgggg	tggatgagca	gaaccccatg	tcggttgatg	gcgatgagga	tgacgtccgg	600
gtaggaag						608

<210> 5155

<211> 1205

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (20)...(772)

<223> similar to gi6014681 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5155

cggggagccc	ccggggggccc	cgccaccgcc	gcggtccgcc	gtcacctacc	cggactggat	60
cggccagagt	tactccgagg	tgatgagcct	caacgagcac	tccatgcagg	cgctgtcctg	120
gcgcaagctc	tacttgagcc	gcgccaagct	taaagcctcc	agccggacct	cggctctgct	180
ctccggcttc	gccatgggtg	caatgggtgga	ggtgcagctg	gacgctgacc	acgactaccc	240
accggggctg	ctcatcgcc	tcagtgcctg	caccacagtg	ctgggtggctg	tgacacctgtt	300
tgcgctcatg	atcagcacct	gcacccctgc	caacatcgag	gcgggtgagca	acgtgcacaa	360
tctcaactcg	gtcaaggagt	ccccccatga	gcgcatgcac	cgccacatcg	agctggcctg	420
ggccttctcc	accgtcatcg	gcacgctgct	cttcctagct	gaggtgggtgc	tgctctgctg	480
ggtcaagtcc	ttgcccccca	agaagcagcc	aggccagcca	aggccaccca	gcaagcccc	540
cgccagtggc	gcagcagcca	acgtcagcac	cagcggcatc	accccgggcc	aggcagctgc	600
catgcctcg	acca'ccatca	tgggtgccctt	cggcctgac	tttatcgctc	tcgccgtcca	660
cttctaccgc	tactgggtta	gccataagac	tgaccgacag	ttccaggagc	tcaacgagct	720
ggcggagtgt	gcccgccttac	aggaccagct	ggaccacaga	ggggaccacc	ccctgacgcc	780
cggcagccac	tatgcctagg	cccatgtggt	ctgggccctt	ccagtgcctt	ggccttacgc	840
ccttccccct	gacctgtgct	tgccccagcc	tcacggacag	cctgcgcagg	gggctgggct	900
tcagcaaggg	gcagagcatg	gagggaagag	gatttttata	agagaaattt	ctgcactttg	960
aaactgtcct	ctaagagaat	aagcatttcc	tgcttctcca	gctccaggte	cacctcctgt	1020
tgggaggcgg	tggggggcca	aagtggggcc	acacactcgc	tgtgtccctc	ctcctcccc	1080
gtgccagtgc	cacctgggtg	cctcctcctg	tcctgtccgt	ctcaacctcc	ctcccgcca	1140

```
gcattgagtg tgtacatgtg tgtgtgacac ataaatatac tcataaggac acctcaaaaa 1200
aaaaa 1205
```

```
<210> 5156
<211> 1762
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1763)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (127)...(1067)
<223> similar to gi3874026 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5156
gcaccctccc ctcacaatcg gcagcataag cacagacgta aacgcaggaa ccaatgcgat 60
tttaggttga atttaggaca gcgctggaac ttcactttac ccctcttgcg gtcacacgag 120
caaagcgagc tgaattcctt cttgtggacc attaagcgag acccaccatc ttactttctt 180
ggcacaatcc atgtcccgtg cacccgagtt tgggacttca tccccgacaa ctctaaggag 240
gctttcctgc agagcagcat tgtgtacttt gagttggatc tcacagaccc ctataccatc 300
tcagctctca ccagctgtca gatgctgcca cagggcgaga acctccaaga tgtgctcccc 360
agggacatct actgccgcct caagcgccac ctggagtatg tcaagctcat gatgcccttg 420
tggtatgaccc cagaccagcg cggcaagggg ctctacgcag actacctctt caatgctatt 480
gccggaaact gggagcgcaa gaggcctgtc tgggtgatgc tcatgggtcaa ctccctgact 540
gaagtggaca ttaagtcccg tggagtgcct gtcttagacc tgttccttgc ccaggaggct 600
gagcggctga ggaaacagac tggggcagtg gaaaaggtgg aagagcagtg ccatccattg 660
aatgggttga acttttcaca ggtcatcttt gctttgaacc agaccctcct gcagcaggaa 720
agcctgcgag caggcagctc tcagatcccc tacacgacgg aggatctcat caaacactat 780
aactgcgggg acctcagctc cgtcatcctc agccatgaca gctcccaggt tccaatttt 840
attaatgcca cgctaccacc tcaggagcgc atcactgctc aggagattga cagctactta 900
cgccgggagc tgatctacaa gcggaatgag agaataggga agcgggtgaa ggcccttttg 960
gaggagtccc ctgacaaagg cttcttcttt gcctttggag ctgggtcattt catgggcaac 1020
aacacagtgc tggatgtttt gcggcgtgaa ggctatgagg tagaacacgc ccctgctgga 1080
cgacccatcc acaaagggaag gagtaaaaag acctccacac ggcccactct gtccaccatc 1140
tttgctccaa aagtcctctac cctggaagta ccggcaccag aagccgtatc ctcagggcac 1200
tcaacgctgc ctccccttgt gtcccgcctt ggaagtgcgc acacgcccag tgaggccgaa 1260
cagaggttcc ggaagaagcg gaggcggtca cagcggaggc cgcgactccg gcaattcagc 1320
gatctgtggg tccgcctgga ggagagtgaac atagtcctgc aactccaggt ccctgtcctg 1380
gacaggcaca tctccactga actgcggctc cctcgccgtg ggcatcccca ccacagccag 1440
atggtggcca gcagtgcctg cctgtctctc tggactcctg tggtctgggt gctgggtgctg 1500
gctttccaaa cagagacacc cctcctgtaa cgactggaag caccaggcta agaacctgac 1560
ccctcgact tgaagaatgg ccattcctgt actccacatt ctggtctagc cttgttgggc 1620
ccaatccaga agagactgct cttgaaaaag cggcccagtg ttgattcttc tctttccaag 1680
gaatgtgact ttgggttatc caactttggg ggcaggtgta cagttttgta acataagtga 1740
gtgtgntgtg aaaataaatt at 1762
```

<210> 5157
 <211> 1701
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1702)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1653)...(984)
 <223> similar to gi4903004 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5157

tttttttttt	ttggctgtgg	ttgtaggaac	caccctacag	cctagaagac	tttattaaga	60
tcttattgct	tatgcagtta	aagagacact	gattgagcta	caggtttcct	gtacctgggc	120
tcaggctcact	ctgtgcagag	cttccccagg	ctgttgggag	ctgggagact	gctaggcagg	180
ggcaggcccc	agagtgggaa	gcatggtacc	tcctaggagc	ctcagagtgg	gtagcgggct	240
tcaagacagc	cctcaggggtg	aacagagagg	tcaggagtgt	cggcttaagc	cagggcccag	300
gggctacatt	ccctgagatg	agtcaagccc	agccctctct	ggggtttcca	gaacaaaggc	360
taggtgtggg	gagcagcact	gtggagaggg	cagggagcat	gtctctaggc	attgctggaa	420
ctggaggaga	ctgtcagagt	ggtttgggta	atggttgtat	aatctgtggc	aactgggcct	480
tcttgcatga	aagtggaagg	gtgaggatcc	cttatggaag	agtcatgcac	catggctggg	540
ctggactagc	cagctccagt	ggctctgctg	ggtgactaaa	gtaggcaagg	aaagccactt	600
gttgcccaca	ccccactttc	atcaactctg	ttcatgcagg	acaaagcagg	gagctgcccc	660
acaaggatgg	ggttattttc	caggcctagg	tattgatgtt	accttaattc	tttagtctgg	720
aagaacttgg	ttgggggtgg	gggatggtaa	gcatttcctt	aaccaaacc	acacttcaca	780
tctcctaggg	gtaccccttc	atccaccaac	ctccagagaa	taacctggct	gccctcactt	840
ctccagcttt	tctcacaagg	cacttggttac	agggctgctg	atgggagagg	gaggaaggcc	900
tgggaggggg	atctggtggt	ggcgcccaat	ctacagggtc	cggaatcagg	gtggaagttg	960
tcagggacta	gcggtgcca	tagtacaggc	gcatggccag	gccaatgagc	aatgtggcca	1020
ggaagaaggc	ggctgtgagc	tgcagccgta	gcaggactgc	tgagagcacg	gcgttgacca	1080
ccagcgagca	ggacaccaca	aagaggcggtg	tgatgctgct	gccatgcttc	atgacagcag	1140
acatgagcag	tccatttagt	gectggctca	gcaccacgag	tgctgcccac	cctgagaaac	1200
cttccaggag	gcctgggcca	gagccgccgc	cagcatgcag	acctagattc	agaagcacac	1260
caaaagtgtg	gaggaagagg	ttctgaagtg	ccaggggcag	ccgctgtcgc	ttcatgagca	1320
gctctgtgta	cactgacgac	aagcctgaga	tgaggcagta	cagaatgagg	agcagcaggc	1380
ctagcggagt	gatatgcagg	ggcatggggc	tggcagcagc	tgctggaggg	ggactgggaa	1440
gggtgttccc	gggaacttga	aggccccctg	ctgcatagca	ggctcccgca	gccatcagca	1500
gcagcagcgc	taacccctga	cgcacagaga	ggcggtgccc	gaggcagagg	cagtagagcc	1560
cagctgtgct	tccaatcttg	agattactca	gcacctggta	ggtgctgggg	tccatgtaac	1620
gctgaagata	gatcaccagg	ttgttcttag	cgcccgcccc	cgtgggtcga	cgcnggttct	1680
aaggacgtcg	agcgggggtca	g				1701

<210> 5158
 <211> 663
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (96)...(219)
 <223> similar to gi3327068 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5158
 gatttcatct ttcagctgca tcttctgacc ctgttaaaaa gggagtacta acagtggact 60
 tctctggagt actaacagtg gacttctctc cgtaggggta tgataattca gagagcagtg 120
 ttcggaaagc ttgtgtcttc tgcctgggtg ctgttcatgc ggtaattggg gatgaactaa 180
 aaccacatct cagtcaactt actggcagta aagtaagtag tgctgctgtg ctttagagat 240
 ggtggccata gtacatcttt caaaacttag ttacatgtct gtaacagtaa gctttttatt 300
 tggcatTTAA taagtcaggc tttgagcatc caacttgccc ttattatttc tgttttTgtat 360
 tttatctttt tctactctaa catttgTtag atgttTcactc aggtgaagtc agcagttTgt 420
 tggggTgatg ggtaggtTtc tgtgagagaa aatgcctgca gcttctgggt atttataata 480
 gttagctgac tccttaccaa atcccagacc caaatcttta cccctgacca ctgttttatt 540
 aagaataaat agactgtTgt ggTtatatat attaatggat tactgtatat ctctccaaat 600
 atagaatact tgcacattta aaaatttttc cccttaagaa ctatgataat caaatatttg 660
 tcg 663

<210> 5159
 <211> 2289
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(266)
 <223> similar to gi3879893 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5159
 ggccatggtc ttcggagggg tggTgcccta cgtcccgcag tatcgggaca ttcgcaggac 60
 gcagaacgcc gaaggcttct ccacgtacgt gtgcctgggt ctgttgggtg ccaacatttt 120
 gcggatactc ttctggTttg gaaggcgctt tgagtccccg ctgctgtggc agagcgccat 180
 catgatcctg accatgtctg tgatgttgaa gctgtgcacc gaggtccgtg tggccaacga 240
 gctcaacgcc aggcgcgcgt cctttacagc tgcagatagc aaggatgaag aagtcaaggT 300
 tgcccccagg cggtccttcc tggacttcga cccccaccac ttctggcagT ggagcagctt 360
 ctcgactac gtgcagtgcg tcctggcctt cacgggcgtg gcgggctaca tcacctacct 420
 gtccattgac tccgcctgtt ttgtggagac cctgggcctc ctggctgtgc tgaccgaagc 480

catgctgggt	gtgccccagc	tttaccgcaa	ccaccgccac	cagtccacgg	agggcatgag	540
catcaagatg	gtgctcatgt	ggaccagtgg	tgacgccttc	aagacggcct	acttcctgct	600
gaaggggtgcc	cctctgcagt	tctccgtgtg	cggcctgctg	caggtgctgg	tggacctggc	660
catcctgggg	caggcctacg	ccttcgcccg	ccacccccag	aagccggcgc	cccacgccgt	720
gcacccccact	ggcaccaagg	ccctctgaca	gtggggagga	cgaggatgtg	ggaccgccag	780
ccgcggggcac	tgggtggggc	tgaacctccc	cgcggggagg	gtgggtaccg	tggccccctgc	840
aggtgtggca	gagatggggc	ataggcattg	gggtctccat	cagcctctgt	aggggtgtctc	900
agggttgtca	gtgggggtgg	ggctgggacg	ctgtttgtgc	tcagcgggga	cagccagggt	960
tgatctggcc	ccgagggttt	tggatgtttt	taggatgaca	taaaaagcaa	gtgttttccc	1020
catttcctct	tatgaaacac	cgtctgagcc	caaggtacac	attgggcggc	ctgcaggaac	1080
ctgctccagg	tggacacacg	ggccagcagc	cgcgaacctt	gaagctgggg	tgaccgcagg	1140
agaccctgta	aggcctgtga	gcggagccct	cgaccccgctg	acaccctggc	cagacaccct	1200
gcttggactg	gggtggcctc	tgctacccag	gggtctggca	cgggggaggg	ctggggccttt	1260
ctctgcctgg	tacacacgga	aaggcggctg	tcgggacgca	gggtcacctg	gctccgggtt	1320
ttctgacagt	cgggtgtttcc	tgggcctttg	gagtggctgc	gaggcctgaa	cgcttgtgg	1380
atccgctgtg	tccagcccgg	ctgagcatcg	ccagggctag	ctcatgctgc	tcttgtcagc	1440
ctctggttct	cctcgagtc	ttggggacgt	ggcagatgcc	agcgaccatc	agacaacgtg	1500
gaggccctca	tgggcaatgg	ctgagggggc	cgggctgagg	ctgtgcacat	gcagtctgca	1560
cgccactctt	gggctctgct	ggcggagatc	cccttccttc	tgggtgcaga	ctgcacctcc	1620
ggatgcagtt	ttgatgtcca	tcttcagga	gagagacggt	ctcgggtcca	gggagtggag	1680
ggggctgccc	ctgccgtgca	ggtcctggcc	gatggcgctt	tacctgctg	ccctgggctt	1740
ttggcctgaa	gcaaattcct	gagtgggggg	tactggggcc	tgccgcatcc	tgtcctgtcc	1800
actgcccacc	cccgtgtgct	ggctccctca	cttctggctg	cagtgggagc	cgccagtctg	1860
acccttgtca	ccgcacgctc	tgccccccacc	ccgttgcaag	aggtcacacc	atgtcagcag	1920
ccttgcactg	accgcagccg	gcccccaggc	ctcagagttc	tggatgcttc	cgtgcggctc	1980
caacaggcat	cgtcttccct	tccgcagggt	gagggggcgc	ttcccgcagg	catctgagct	2040
ctgtgccggg	gccgtggcca	tgggaagatg	ttccacgctg	cctcctcctc	gagttttcct	2100
cggaaacact	cttgaatgtc	tgagtgaggg	tcctgcttag	ctctttggcc	tgtgagatgc	2160
tttgaaaatt	tttatttttt	taagatgaag	caagatgtct	gtagcggtaa	ttgcctcaca	2220
ttaaactgtc	gccgactgca	ggcgcagtga	ctgctgaaaa	aaaacctcgt	gccaagcttg	2280
gcgtaagcg						2289

<210> 5160

<211> 957

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (110)...(455)

<223> similar to gi505658 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5160

gaatccaaat	ggtcctcaca	gtgccacggc	cgggggcagg	atggcagccc	ctctgcacct	60
tgcacgctgg	ctggttcact	cttaactcct	taccagctg	aaagtgaatg	ggcggctaga	120
ccaagaggag	tttgcgcgac	tgtggaagcg	ccttgttcac	taccagcatg	ttttccagaa	180
ggttcagaca	agccctggag	tcctcctgag	ctcggacttg	tgggaaggcca	tagagaatac	240
agacttcctc	agagggatct	tcatcagccg	tgagctgctg	catctggtga	ccctcaggta	300
cagcgacagc	gtcggcaggg	tcagcttccc	cagcctggtc	tgcttctcta	tgcggcttga	360

<210> 5161
 <211> 978
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(829)
 <223> similar to gil335277 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5161
 gaaagccaca aggcagcgc ccacaaggag gaaaccagcc ccaacgtccc ccacctcctc 60
 caggaaagcc acaaggacca cccccacaag gaggaaccca gtcccaaggt cccccacctc 120
 ctccaggaaa gccagaagga cgacccccac aaggaggcaa ccagtcccaa ggtccccccac 180
 ctcatccagg aaagccagaa agaccacccc cacaaggagg aaaccagtcc caaggtcccc 240
 cacctcatcc aggaaagcca gaaagccgac ccccaacaagg aggacaccag tcccaaggtc 300
 ccccacctac tccaggaaaag ccggaaggac ccccccaaca aggaggaaac cagtcccaac 360
 gtacccccacc tcctccagga aagccagaag gacgaccccc acaaggaggc aaccagtccc 420
 aaggtcccccc acctcggtcca gaaatgccag aaagaccacc cccacaagga ggcaaccagt 480
 cccaccgtcc cccacctcct ccaggaaaagc cagaaagacc acccccaaca ggaggcaacc 540
 agtcccaagg tccccacact catccaggaa agccagaagg accacccccca caggaaggaa 600
 acaagtcccg aagtgcccgga tctcctccag gaaagccaca aggaccaccc caacaagaag 660
 gcaacaagcc tcaaggtccc ccacctcctg gaaagccaca aggccacccc ccaccaggag 720
 gcaatcccca gcagcctcag gcacctcctg ctggaaagcc ccagggggcca cctccacctc 780
 ctcaaggggg caggccaccc agacctgccc agggacaaca gcctccccag taatctagga 840
 ttcaatgaca ggaagtgaat aagaagatat cagtgaattc aaataattca attgctacaa 900
 atgccgtgac attggaacaa gttcatcata gctctaactt taatatacca ataaaataat 960
 cagcttgcaa aaaaaaaaa 978

<210> 5162
 <211> 1868
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1868)...(1032)
 <223> similar to gi854328 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5162
 tttttttttt ttaacagtaa ttcttcagac tttattaaaa aatgacataa agtgcattctt 60
 attaaaaaat gtataaaaac cacataaatt cagggccctt gtgctgggca gtgttgatat 120
 cccttagagt ggaggaaggt gagggatgga ggggtgaactg gggactgggg agaggaccag 180
 ggtgcagtta gttcctcgtg tttgagttca aagatggagc gaggggtggat atgggtgggaa 240

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ggggcacacg ggttctcacg caacaacgga ggaaggcagg cgacagtctc ttccctgaat 300
tctgagggaa aggcgtacat tgtcacgaaa tctctcctga gctcgcgctg tcctctcgtg 360
tgccacacgc ctgatacagg ctggaaagggt ccaggagtgt ggtccgagcc caggacctgg 420
tgagggccgc agtgccaacc tagccctctg gtccctgagg tggtagggac acggcagcaa 480
caactacatc ctcggtgac tggcaaggca gaacgcacgc agcccaagct ggtcctgaat 540
ctgcagttag acagggcagc cggtaggcagc gggataatgt ggaagggtgaa gaggccagtt 600
ggtgaggggt tccaactctg tctcagacaa ccactttgga tgcattccca gcacccctgg 660
gaggccatga actggagcag ccgtgtgtgc tgcattgccat gctatctctt ccctctcatt 720
ctagttttcac atttgaatt gtttttttaa caaagggtc agtttacata aggagcactg 780
ttccaccaac ctaggcaggc ccccatattt ggccaggacc tctggggcca cggtgtttg 840
ggtgtctggg tggtaggagc ttcgtacttt gactggagag cagcaggcca gctggcccca 900
aggctcccaa gggccgggca ccacgggtgt gttccacgaa gagcagagcg gaggggaggt 960
ccagttgacc ctctccgagc attcacagcc cctgaagcca gggcagcgtc ctctggaagt 1020
cagctctcac accacagagt cacggatctc cgagccaagg cggaccggg gccgggggca 1080
cactggggat acctccacga agctgtcttg gatgctgagt ggcctcttct ctgactcagt 1140
gaagactcgg gccccgggg ggctgtctga cagggactgg taccctcggg gatcgagcgg 1200
ggtgctaggg ggccctaggc cgttgagtgg gcgggtctca gggggcagca ccacagggca 1260
ggtcttgggg tgcacgctgg cacattcccc ctgcttcagg aagactttca tgctgttccg 1320
gtgccggtag agcaagaata aaactgggag cagcacggcc agcacaaaga gcgtgcacat 1380
caccaggaac tccttccagt aggacctgtc tgcaccccag ctggccttgc caccagctgg 1440
tgcactcaca cgcgatgtgc tgataatgac gggtagactg ccacctcat ctgtttggtc 1500
tgccaccccc tcctccacca cctctgggca gtagctggct accagctgct ggaagccctc 1560
ctctagttag cagcactgga actccccag ctgttgggtg cccaccagca gcaggtcccc 1620
agtgggtagc acgtggcagg aggccgaggc attgacgggg gccccgttgc gtagccagag 1680
tcgggtcgcc aggttggaga ggagcgggca ggccaaagtg ttactgtgt tgggctggaa 1740
ctggacttgc tcacatggct tctcccctgt tggtagaaaa gacggggaca caaccgaaga 1800
cgcgctgcaa aggtccttgg cgtggtctcc ctcgatgtcc tggatccacg gcctggtggc 1860
cagctgag

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<210> 5163
<211> 934
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (937)...(663)
<223> similar to gi485110 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5163
tttttttttt ttagattcag atattttaacg aatagtattg catggtacaa tcatgcaggt 60
ttaaaataat agcaattgag tccataggag aagacgacat tcttgcttga caaggtagga 120
acaaattcat tatatttcac caagactaaa attacaaagt ttgggtgtgt aaaggcaaga 180
tttaattgtt gggaaaattt atccgagcca gccaccagca caaaagccag gctgacaaa 240
tcaaattgat tctttacatc ctccaagttt cagaagaatc ttgaatatgg ttagccagaa 300
gatatggtaa atttgacccc aaacatttgc ttgaaggagt aaggctcttct aatgagttaa 360
tgtcaagaga tcagcacata agtaatagct tatttatcct ttaggtcaca tccatctgtg 420
aatcaagcag ccttgacgtc cacatggtca gcatctctcc catggctcga ggctcaatga 480
tcaaggttgt ttagccagtc ttagagtata taaaagcct ctccattttt ttttggttgt 540

```


ttagagaga	gaatacgcaa	gggaattctt	cacaggagga	gacgtagtcc	taaatccctt	600
ctgctttccg	ttgcattgga	tgtatcactt	gttctcttta	ataatcattt	tttccatcct	660
cattcattgt	acttggacag	ttttaacctg	gggatgatgt	tcatagactg	tagttcctgg	720
aagagcagct	tgcaggcata	cggaatacgg	aggggaagaca	cgtggcagga	tgacttgcag	780
taatggcacc	agccagaata	ccccagaagt	ccacactgcc	cacagacatc	aacctcaaag	840
gcatcacttg	aaatcattag	tctctctagc	aaaagcatac	tggctccata	accgattaaa	900
cagtcacgtt	ccatttcccc	gagacgcaag	ccac			934

<210> 5164
 <211> 1445
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(798)
 <223> similar to gil314373 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5164						
atgaagaagg	aggtgtgctc	cgtggccttc	ctcaaggccg	tgttcgcaga	gttcttggcc	60
acctcatct	tcgtcttctt	tggcctgggc	tggccctca	agtggccgtc	ggcgctgcct	120
accatcctgc	agatcgcgct	ggcgtttggc	ctggccatag	gcacgctggc	ccaggccctg	180
ggacccgtga	gcggcgga	catcaacccc	gccatcaccc	tggccctctt	ggggggcaac	240
cagatctcgc	tgctccgggc	tttctttctac	gtggcgggcc	agctggtggg	cgccattgcc	300
ggggctggca	tcctctacgg	tgtggcaccg	ctcaatgccc	ggggcaatct	ggccgtcaac	360
gcgctcaaca	acaacacaac	gcagggccag	gccatggtgg	tggagctgat	tctgaccttc	420
cagctggcac	tctgcatctt	cgctccact	gactcccgcc	gcaccagccc	tgtgggctcc	480
ccagccctgt	ccattggcct	gtctgtcacc	ctgggccacc	ttgtcggaat	ctactttact	540
ggctgctcca	tgaaccagc	ccgctctttt	ggccctgcgg	tggatcatgaa	tcggttcagc	600
cccgtcact	gggttttctg	ggtaggggcc	atcgtggggg	cggtcctggc	tgccatcctt	660
tacttctacc	tgctcttccc	caactccctg	agcctgagtg	agcgtgtggc	catcatcaaa	720
ggcacgtatg	agcctgacga	ggactgggag	gagcagcggg	aagagcgga	gaagaccatg	780
gagctgacca	cccgtgacc	agtgtcaggc	aggggccagc	ccctcagccc	ctgagccaag	840
ggggaaaaga	agaaaaagta	cctaacacaa	gcttcctttt	tgcacaaccg	gtcctcttgg	900
ctgaggagga	ggagctggtc	accctggctg	cacagttaga	gaggggagaa	ggaacccatg	960
atgggactcc	tggggtaggg	gccaggggct	ggggtctgct	ggggacagggt	ctctctggga	1020
cagacctcag	agattgtgaa	tgcagtgcc	agctcacagg	ctgcaagggc	caggccagaa	1080
aagggtgggc	ctgcagcctg	cacccccac	cttccccaac	ccttccctcaa	gagctgaagg	1140
gatcccagcc	cctaggtggg	cagaggcaga	ccctccccag	agctccttag	gaagaagaca	1200
gactggttca	ttgaatgcc	ccttatttat	ttctggtgag	gatgcatgcg	tggggctgct	1260
ggtgttttaga	gtgggggcta	cccaataaat	cactgatact	caaaacacca	gcagaccctc	1320
cccagagctc	cttaggaaga	agacagactg	gttcattgaa	tgccgcctta	tttatttctg	1380
gtgaggatgc	atgcgtgggg	ctgctggtgt	ttagagtggg	ggctacccaa	taaatcactg	1440
atact						1445

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<210> 5165
<211> 1620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(1326)
<223> similar to gi4262587 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5165
ggcacgagcc caagcaattc aagacccagc aatactacaa cggcctgaag cagatctgtc      60
cagaagtgga gaatgcccag ccaggggcct tgaagagtca gaggctccca gatctgacca      120
cagtcattctc ggtggatgcc cctttgccgg ggacctgtct cctggatgaa gtgggtggcgg      180
ctggcagcac acggcagcat ctggaccagc tccaatacaa ccagcagttc ctgtcctgcc      240
atgaccccat caacatccag ttcacctcgg ggacaacagg cagccccaag gggggccaccc      300
tctcccacta caacattgtc aacaactcca acattttagg agagcgcctg aaactgcatg      360
agaagacacc agagcagttg cggatgatcc tgcccaaccc cctgtaccat tgcttgggtt      420
ccgtggcagg cacaatgatg tgtctgatgt acggtgccac cctcatcctg gcctctccca      480
tcttcaatgg caagaaggca ctggaggcca tcagcagaga gagaggcacc ttctgtatg      540
gtacccccac gatgttcgtg gacattctga accagccaga cttctccagt tatgacatct      600
cgaccatgtg tggagggtgtc attgctgggt cccctgcacc tccagagttg atccgagcca      660
tcatcaacaa gataaatatg aaggacctgg tggttgctta tggaaccaca gagaacagtc      720
ccgtgacatt cgcgcacttc cctgaggaca ctgtggagca gaaggcagaa agcgtgggca      780
gaattatgcc tcacacggag gcccggatca tgaacatgga ggcagggacg ctggcaaagc      840
tgaacacgcc cggggagctg tgcattccgag ggtactgctg catgctgggc tactgggggtg      900
agcctcagaa gacagaggaa gcagtggatc aggacaagtg gtattggaca ggagatgtcg      960
ccacaatgaa tgagcagggc ttctgcaaga tcgtgggccg ctctaaggat atgatcatcc     1020
gggggtggtga gaacatctac cccgcagagc tcgaggactt ctttcacaca ccccgaagg     1080
tgcaggaagt gcaggtggtg ggagtgaagg acgatcggat gggggaagag atttgtgcct     1140
gcattcggct gaaggacggg gaggagacca cgggtggagga gataaaagct ttctgcaaag     1200
ggaagatctc tcacttcaag attccgaagt acatcgtgtt tgtcacaac taccctctca     1260
ccatttcagg aaagatccag aaattcaaac ttcgagagca gatggaacga catctaaatc     1320
tgtgaataaa gcagcaggcc tgtcctggcc gggtggcttg actctctcct gtcagaatgc     1380
aacctggctt tatgcaccta gatgtcccca gcaccagtt ctgagccagg cacatcaaat     1440
gtcaaggaat tgactgaacg aactaagagc tcctggatgg gtccgggaac tcgcctgggc     1500
acaaggtgcc aaaaggcagg cagcctgccc aggccctccc tcctgtccat cccccacatt     1560
cccctgtctg tccttgtgat ttggcataaa gagcttctgt tttctttggc aaaaaaaaaa     1620

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<210> 5166
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = a,t,c or g

```

<220>
 <221> misc_feature
 <222> (406)...(226)
 <223> similar to gill109915 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5166
 aatacattgg cgggcgtagt acttattgtg ctctgtcaaac ttgagttcct gaatgacatc 60
 tgggtacttg agtagccgca gcaggatctt ctctgatatc atggaggggc taaactgaga 120
 gacctctgtg gctaggaagc gatgagcggc caggaggagc tgcggggaga ttttcaacttt 180
 gagctcattg tccgcatcct tgaaggcaga gaagtcacgc ttgttcttct cagacacccg 240
 cttccggctt cggttggtcag tgtacatgtc ggactcgtcc aggatctccg acttgatgat 300
 ctctcgtatc acgtcctcca ggggtgaccag gcccaggacc tcgtagaagg ggtcaccctc 360
 accctcgttg tttaccttct gcacgatggc cagggtgggac ttcccagctc cagctgcttt 420
 ttctcatggg gaaaagccag gggccccaga gcagaccagg gactcccacc acccaagaag 480
 gagtcctctg catcttactc aatgagtctc ccaggaaggt ccagcctctg agatcccagg 540
 ggcccaggat gttcccgcgc tctcaggccc tcccatggga gaggtgcggg caggactgac 600
 tggaagccac aggcttgggc caaagtccac acaaacagat agctgagcac cctgatttct 660
 tgcgnncggg tggntcgncg cnannttngg ngnatgntnc aggaggtcct t 711

<210> 5167
 <211> 549
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(395)
 <223> similar to gi407139 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5167
 cgcctttgta gaaatgagtt ccagcagctt tatgggaata tctaatatga cacaactgga 60
 aagctcaact agtaaaatgc ttaaagcagg cataagagga attccgccta aaattgaagc 120
 tcttccatct gatatcagca ttgatgaagg caaagttcta acagtagcct gtgctttcac 180
 gggtagcctt accccagaag taacatgggt ctgtggtgga agaaaaatcc acagtcaaga 240
 acaggggagg ttccacattg aaaacacaga tgacctgaca accctgatca tcatggacgt 300
 acagaaacaa gatggtggac tttataccct gagtttaggg aatgaatttg gatctgactc 360
 tgccactgtg aatatacata ttcatccat ttaagagggc ctgtgccctt atactctaca 420
 ctattcttta acttttcgca aacgtttcac acggactaat ctttctgaac tgtaaatatt 480
 taaagaaaaa aaaagtagtt ttgtatcaac ctaaatgagt caaagttcaa aaatattcat 540
 ttcaatctt 549

<210> 5168
 <211> 1101
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (247)...(868)
 <223> similar to gi5824602 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5168

gaccacgcca	agcttgccac	gaggccagaa	cctgaaaagt	gtcagagcgt	atcttcagct	60
ggtgaacttg	aaacagaaaa	ctatgaaaga	gacagcttgc	tagcaactgt	tccagatgag	120
caggattgtg	ttactcaaga	agtgccagac	tcccgccagg	cagaaaactga	agctgaagtg	180
aaaaagaaga	agaacaagaa	gaagaacaaa	aaggtgaatg	gtctgcctcc	tgaaatagct	240
gctgttcctg	agctggcaaa	atactgggcc	cagagggtaca	ggctcttctc	ccgttttgat	300
gatgggatta	agttggacag	agagggctgg	ttttcagtta	cacccgagaa	gattgctgaa	360
cacattgctg	gccgtgttag	tcagtccttc	aagtgtgacg	ttgtagtaga	cgcattctgt	420
ggagttggag	gaaataccat	tcagtttgcc	ttaacaggaa	tgagagtgat	tgccattgat	480
atcgatcctg	ttaagattgc	ccttgctcgc	aataatgcag	aagtttatgg	gatagcagat	540
aagatagagt	tcattctgtg	agatttcttg	ctgctggctt	cttttttaaa	ggctgatggt	600
gtgttcctca	gcccaccttg	gggagggcca	gactatgcca	ctgcagagac	ctttgacatt	660
agaacaatga	tgtctcctga	tggctttgaa	attttcagac	tttctaagaa	gatcactaat	720
aatattgttt	attttcttcc	aagaaatgct	gatattgacc	aggtggcatc	cttagctggg	780
cctggagggc	aagtggaaat	agaacagAAC	ttccttaaca	acaaattgaa	gacaatcact	840
gcatattttg	gtgacctaat	tcgaagacca	gcctctgaaa	cctaactatg	cagcagtgcg	900
aggacaaaag	atcatggagt	ggtcaaaata	ttcagatgag	acatttggca	tgtcttcctt	960
tatttactga	tattttctac	ccatgggtctt	atatcaccgt	atgaaatgga	aacttacagg	1020
acttaaatat	cagtgaaata	ttttgagatc	tttgaataat	tccttttagag	gaattataca	1080
aaattaatat	atatgagtcc	t				1101

<210> 5169
 <211> 2237
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (63)...(839)
 <223> similar to gi3043598 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5169

cgacgcgcgc	tgcggacccg	gctcgaccca	cgcgtacgcg	gacgcgtggg	cggacgcgtg	60
ggcgccagca	ttcgctcaag	aagtcccgca	tggagaatga	catggcccag	tctctccaca	120
gtgacacggc	tgatgacact	gcccatcgcc	ctggcaagag	caacctcaag	ctgccaaagg	180

gcattctcaa	gaagaagggt	tcagcctctg	cagaaggggt	acaggaggac	cctccggagc	240
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tcaagaagcc	ccgacagcgc	gagtctggct	actactcctc	tcccagagccc	agtgaatctg	360
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cgcaagcttc	agggctcctc	ctccatcgca	aaggcatcct	caaactcaat	ggcaagttct	480
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tccagactat	ggatgtgttc	tctaggcctt	caggactcta	gaatgtccat	atttattttt	1980
atgttcttgg	ctttgtgttt	taggaaaagt	gaatcttgct	gttttcaata	atgtgaatgc	2040
tatgttctgg	gaaaaatcc	tatgacatct	aagttttgtg	tacagagaga	tatttttgca	2100
actatttcca	cctcctccca	caacccccca	cactccactc	cacactcttg	agtctcttta	2160
cctaattggtc	tctaccta	ggacctccgt	ggccaaaaag	taccattaaa	accagaaagg	2220
tgattggaaa	aaaaaaa					2237

<210> 5170

<211> 1462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)...(618)

<223> similar to gi736727 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5170

actagatcta	gatctcttta	atgccattct	gatcgaaacg	ccattagctc	cattcttcca	60
agactgcatg	tctgaaaatg	ctctagatga	actgaatatt	gaattgctac	gcaataaact	120

atacaagtct	taccttgagg	cattctataa	attctgtaag	aatcatgggtg	atgtcacagc	180
agaagttatg	tgtcccattc	ttgagtttga	ggccgacaga	cgtgctttta	tcatcactct	240
taactccttt	ggcactgaat	tgagcaaaga	agaccgagag	accctctatc	caaccttcgg	300
caaactctat	cctgaggggt	tgcggctggt	ggctcaagca	gaagactttg	accagatgaa	360
gaacgtagcg	gatcattacg	gagtatacaa	acctttatth	gaagctgtag	gtggcagtg	420
gggaaagaca	ttggaggacg	tgttttacga	gcgtgaggta	caaatgaatg	tgctggcatt	480
caacagacag	ttccactacg	gtgtgtttta	tgcataatga	aagctgaagg	aacaggaaat	540
tagaaatatt	gtgtggatag	cagaatgtat	ttcacagagg	catcgaacta	aaatcaacag	600
ttacattcca	atthttataac	ccaagtaagg	ttctcaaagt	taaaaaatta	taaatgttaa	660
aaggaagtta	ttgaagaaaa	taaaagaaat	tatgtttatat	tatctagact	acacaaaagt	720
aagccacact	atatcttcat	gagttgcaaa	tccatggaaa	cacagtaaac	cagccctgaa	780
acaaagcatt	tccttgthtt	cagtgggtatt	agatcttggt	tccacatgtc	tgtctcattc	840
ttcactgggc	cttacagggt	agthtttaatt	aactctatgg	tattthttctt	attcttgthtt	900
gatcatgtta	aaaattggac	ctaataaaaag	tattthtattc	ttgctthttcc	atgcttctct	960
acagggtccaa	atactgaatg	tctcctthtac	thttthctctt	ttaaatthttt	ttctagacag	1020
ggtctcactc	tgtcacctag	gctacagtgc	agtggtgtga	tcacagctca	ctgcagcctc	1080
gactthccag	gctcaagtga	tcctcccagc	tctcagcctc	caaagtagct	ggcactacaa	1140
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ttatccaggc	tgggtgtcgaa	thcctgggct	ccagggatcc	acagtcccc	ttggcctccc	1260
aaagtgtctg	gattacatgc	atgagccact	gtgctgggct	tcattttacat	thtaactgtc	1320
tgthccttgc	ctagattcac	agaaatccaa	agctgtatgt	agtcaacatg	gttcacaagt	1380
ggtggaaaat	gtgctthttt	gctthtgthtt	ggthtgthttc	ggthtgthttt	gagacagaga	1440
thccctctgt	cgcccaagct	ag				1462

<210> 5171

<211> 2287

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1727)

<223> similar to gi5868898 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5171

atgagcgccg	ccaccactc	gcccattgatg	caggtggcgt	ccggcaacgg	tgaccgcgac	60
cctthgcccc	ccggatggga	gatcaagatc	gaccgcgaga	ccggctggcc	cttcttcgtg	120
gaccacaaca	gccgcaccac	tacgtggaac	gaccgcgcg	tgccctctga	gggccccaa	180
gagactccat	cctctgcca	tggcccttcc	ccggagggtc	ctaggctgcc	gcctgctagg	240
gaaggccacc	ctgtgtaccc	ccagctccga	ccaggctaca	thcccatthc	tgtgtccat	300
gaaggcgctg	agaaccggca	ggtgcacct	thccatgtct	atccccagcc	tgggatgcag	360
cgattccgaa	ctgaggcggc	agcagcggt	cctcagagg	cccagtcacc	tctgcggggc	420
atgccagaaa	ccactcagcc	agataaacag	cgtggacagg	tggcagcggc	ggcggcagcc	480
cagccccag	cctcccacgg	acctgagcgg	thccagtctc	cagctgcctc	tgactgtctca	540
thctcatct	cctcggccag	cctgccttcc	thccggcagga	gcagcctggg	cagtcaccag	600
ctcccgcggg	ggtacatctc	cattccgggtg	atacacgagc	agaacgttac	ccggccagca	660
gcccagccct	cctthccacca	agcccagaag	acgcactacc	cagcgagca	gggggagtag	720
cagaccacc	agcctgtgta	ccacaagatc	cagggggatg	actgggagcc	ccggccccctg	780
cgggcgccat	ccccgttcag	gtcatctgtc	caggggtgat	cgagccggga	gggctcacca	840

gccaggagca	gcacgccact	ccactccccc	tcgcccatcc	gtgtgcacac	cgtggtcgac	900
aggcctcagc	agcccatgac	ccatcgagaa	actgcacctg	tttcccagcc	tgaaaacaaa	960
ccagaaagta	agccaggccc	agttggacca	aaactccctc	cgggacacat	cccaattcaa	1020
gtgatccgca	aagaggtgga	ttctaaacct	gtttcccaga	agccccacc	tcctctgag	1080
aaggtagagg	tgaaagtcc	ccctgctcca	gttccttgtc	ctcctcccag	ccctggccct	1140
tctgctgtcc	cctcttcccc	caagagtgtg	gctacagaag	agagggcagc	cccagcact	1200
gcccctgcag	aagctacacc	tccaaaacca	ggagaagccg	aggctcccc	aaaacatcca	1260
ggagtgtctga	aagtggaagc	catcctggag	aaggtgcagg	ggctggagca	ggctgtagac	1320
aactttgaag	gcaagaagac	tgacaaaaag	tacctgatga	tcgaagagta	tttgaccaa	1380
gagctgctgg	ccctggattc	agtggacccc	gagggacgag	ccgatgtgcg	tcaggccagg	1440
agagacggtg	tcaggaaggt	tcagaccatc	ttggaaaaac	ttgaacagaa	agccattgat	1500
gtcccaggtc	aagtccagggt	ctatgaactc	cagcccagca	accttgaagc	agatcagcca	1560
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aatgcagaag	atccccacac	agaaacccag	cagccagaag	ccacagcagc	agcgacttca	1680
aaccccagca	gcatgacaga	cacccctggt	aacccagcag	caccgtagcc	tctgccctgt	1740
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gactttaagt	cagttggttt	ttattagctg	cttggtatgc	agtaacttgg	gtggaggcaa	1860
aacactaata	aaagggtcaa	aaaggaaaat	gatgcttttc	ttctatattc	ttactctgta	1920
caaataaaga	agttgcttgt	tgtttgagaa	gtttaacccc	gttgcttggt	gttctgcagc	1980
cctgtctact	tgggcacccc	caccacctgt	tagctgtggt	tgtgcactgt	cttttgtagc	2040
tctggaactg	aggggtagat	ggggagtcaa	ttacccatca	cataaatatg	aaacatttat	2100
cagaaatggt	gccattttta	tgagatgatt	ttcttcatct	cataattaaa	atacctgact	2160
ttagagagag	taaaatgtgc	caggagccat	aggaatatct	gtatgttgga	tgactttaat	2220
gctacatttt	aaaaaaagaa	aataaagtaa	taatataact	caaaaaaaaa	aaaagtcgac	2280
gcggccg						2287

```
<210> 5172
<211> 2243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> similar to gil256378 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5172						
tcctcccggc	cagccaccaa	gaccatgaac	tttttttggc	agagagctga	gatcttggga		60
gccctggtct	ctgtactgtc	catctgggtc	gtgacggggg	tactggtgta	cctggctgtg		120
gagcggtga	tctctgggga	ctatgaaatt	gacgggggga	ccatgctgat	cacgtcgggc		180
tgcgctgtgg	ctgtgaacat	cataatgggg	ttgaccttc	accagtctgg	ccatgggcac		240
agccacggca	ccaccaacca	gcaggaggag	aacccagcg	tccgagctgc	cttcattccat		300
gtgatcggcg	actttatgca	gagcatgggt	gtcctagtgg	cagcctatat	tttatacttc		360
aagccagaat	acaagtatgt	agaccccatc	tgcaccttcg	tcttctccat	cctggtcctg		420
gggacaacct	tgaccatcct	gagagatgtg	atcctggtgt	tgatggaagg	gacccccaa		480
ggcgttgact	tcacagctgt	tctgatctg	ctgctgtcgg	tggagggggg	agaagccctg		540
cacagcctgc	atatctgggc	actgacggtg	gcccagcctg	ttctgtctgt	ccacatcgcc		600
attgctcaga	atacagagcg	ccaggctgtg	ctgaagacag	ccagcagccg	cctccaaggg		660
aagtccact	tccacaccgt	gaccatccag	atcgaggact	actcggagga	catgaaggac		720

tgtcaggcat	gccaggggccc	ctcagactga	ctgtctcagcc	aggcaccaac	tggggcatga	780
acaggacctg	caggtggctg	gactgagtgt	ccccaggcc	cagccaggac	tttgctacc	840
ccagctgtgt	tgtaaacag	gtccccctcc	tgacctctgc	cccactccag	gaatggagct	900
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tgaccctgct	cttccagctc	ctggggccagc	tctggaagg	ctgtatttgg	gcctaatacct	1020
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ggctggcccc	agcgcgccc	tactgcctgc	ctcatgcccc	attctcagcc	tggctggcct	1140
ttgcctttat	gaatctgagc	ccctccatct	gcctatagca	ataggcacgg	gggtgaggac	1200
cctcacactc	tcatctgagc	ctccctgagg	cagggagcca	ggaggcacct	gaggcctatc	1260
tgtgccttag	tactttcagc	tatgagccaa	atgttccctt	tcctggagg	gagaggcttc	1320
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acaacttttg	cacaggtggt	gggcaggggg	tagagagatt	tcagcttggg	ttctgcacta	1440
acagcctcca	agccccctgg	cacttctgtt	gccctgagag	tgtcccagg	gattcagagt	1500
ctccagaaa	atatggctgg	gccaactctg	ttgcctacct	ggcctgacct	agtcggagcc	1560
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cccagcctcc	ccaggggcag	tgctgagttt	gtcttgactg	ttctggccca	aggtgggagg	2040
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tcagcccctc	caggtctgtg	aaaagtctgt	ggaaagcact	ggcctggaga	ggggtggggg	2220
gttgctggtg	ggtgctccat	tcc				2243

<210> 5173

<211> 1381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1382)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1202)...(862)

<223> similar to gi2984584 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5173

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aagactctat	agtagtgatt	aaggaaaaat	agaactgttt	tggggataag	gaatcctggg	180
ctatgaatgg	gcatgatgat	ctgaacttgc	aaagggaaa	tgaagcagct	tcagtccacc	240
attggcactg	ctaatacaca	tatgttaaag	gactactatg	tgagatagca	acctggatat	300
ggtgttaata	aaaactaaac	atgagaggat	ataaaaagta	cacatgcttg	gcataggtgt	360

gttacttttta	aagaagctca	acatttttatt	ctcatttttca	ataacttaaaa	tgaacagcac	420
ttaacacatt	acacaaaatt	aaagacttgt	gcataatattt	gattttcaaca	ttaatgtcaa	480
aaatacatag	tatgattttta	cataggatttt	gtgctacatt	agaacactag	agacaaacat	540
cacttgagta	ttaaggaaaa	cattaaatat	taaataactg	agaaaatgtg	taaacactaa	600
tctaactggg	ggtttttgcta	ttgcaacatg	tccaatgaag	tggtttcaac	agtacaaaaa	660
ggattaggac	atgagttttt	ccagtctaca	tggaaatatat	ggattttcatt	tcaggaatcc	720
tttcataaaa	actgggtccag	gataacagga	gagaatccac	tctcctgatt	gttaattttg	780
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tcatcactcc	ttatcaacat	cttggtgaaa	actgaggggt	tgttggtgat	tcagtgtaa	900
atttgagttc	atatgcagca	ccgctatcaa	cctccattga	ctttctagag	aacaggagcc	960
gtacgtctct	atggaggtag	atctttccag	atttagaact	ctggaacctc	agatgtatga	1020
ggtagcgtaa	taaccgttct	tctgtgtgtc	ggatgttctc	tttattaaca	cttctcttca	1080
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ataaggtcac	ttgtattggt	cctgaaggag	gtactcgata	acctctttta	ccaagggact	1260
ctaaagtaat	nacacccata	taaggagagg	gagnattgtc	atntgaaaca	ctgtagaatg	1320
acacttcaac	tggnagagtc	aaatgtgtgg	ggcagaaagc	accacttgcc	cctacctcgg	1380
c						1381

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<210> 5174
<211> 1586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1222)...(950)
<223> similar to gi5809683 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5174	
aaatgcacat	ctcatggcag ctaagccaca tggctgggat ttaaagcctt tagagccagc 60
ccatggcttt	agctacctca ctatgctgct tcacaaacct tgctcctgtg taaaactata 120
ttctcagtg	agggcagaga ggtctaacac caacataagg tactagcagt gtttcccgta 180
ttgacaggaa	tacttaactc aataattctt ttcttttcca tttagtaaca gttgtgatga 240
ctatgtttct	attctaagta attcctgtat tctacagcag atactttgtc agcaataacta 300
aggaagaaa	caaagttgaa ccgtttcttt aataatgctg atctactttt tgttgaattt 360
gtattttatt	tcaagtgtca aagaaatcat ctttgtttat ttagatgaaa ccaaactacta 420
cacattttaca	ctcacactgc ttccaggacc caagggtttc acagaccatt tgcctacctg 480
gttcttttct	ctcctctttc cagtgttttc tagaataccc tttaaagga ccacatgaat 540
atacgaactg	taaaattcaa ctttgatctt ttgcgaaatg ttttattttac tgcttaaaat 600
ctaggtgggt	ggatatattc atgtatgcat atattgatag attaatataa acataagtat 660
gtattttaat	tgaaggataa gtaaagttag agtacaacag cccattctt agttaaaaag 720
aaaagaaaa	gacaagagca agccactgcc accacaggta ccagcactta aatttgtcag 780
caggctgacc	aaagagtggc ctgtctgttg gcattcatcg gacatggcag ctcccttcag 840
ctctccagtg	agtttcaagt tcagagcact ttcagtcctt gtcttgttta tctattactg 900
aagggtttct	aggaagggtt agcagtgtct caattttctt agcatcattc tcaggttcat 960
cttctgttaa	actactttca attttctcag ggaggtgtct agtaacttgt agtctgcctt 1020
tccactcttc	cagtttttag tcatggagtg cctttcgatc cttctgtttt ctttcttgaa 1080
cagtctcacc	agagtacttc tgaaatgcc tgcagaggcc tctacagga gtgccagca 1140

```

aggctccaat tatgccacca gccaccaggc cacgcaggcc tacgtttatc ctaaaaagac 1200
ttcccgtgac agtcttttgc aaacagctcc cggaggcggt cccatccaga ttccgggtaa 1260
tagggctctg ggacgtaggg aagccgcttc tgacgctcct caaggacttc cgaatcggca 1320
gtcacagctt cggcagcaaa gactcgggga aataggcaca atgctctaca gagaaagctc 1380
cgcggtgccg gtggcggcac ctccatggcc ttctctcgac ctacggacaa acttgagcgc 1440
tcaggacttc aagtccctcg ggacgtgccg cgggagagcg taactgtacg aggtgagaat 1500
ccgtgcattt gacccagggt aaccctctgc cagagggctc gacacccaca ccttcagtc 1560
ccggcctcgc tttgcggaag cgtggg 1586

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<210> 5175
<211> 1139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1113)...(547)
<223> similar to gi3876299 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5175
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tatatatgta tatatagaaa aaaaaattct gcaaggacat atgctaaatt ggtaacagtg 180
cttacccttg ggaagggggg atacagatgt tgatttactc ttgggtacc tgtatttccc 240
agtttttcta taaatcacat catttgcttc tgtcataaga aaaaataata tctattatca 300
tcctttattt tgatcaaaac aaatcaattt tttaaaaaat cttaggtttt tttagaagc 360
agaaataatt tccaaattgc ctccagagac aatgatttta tcctctgcag aagctgggtca 420
gaaccttctt gatcacagcc ccagtttagat acagggaaga atggcgcttc ctacagcttc 480
agcggcctca gctcagctct gtgccccaaag gccaaaccag ctcatctcca gccccatcca 540
tcctattctt gctgagtcac cagtctcatc atcttcagag ccatgtcccc ttggtcagaa 600
ggaaccatat gaccagcttt cagaatccag tagaaagcaa gggtcttgta ggacttgaca 660
aaagcagatg tttccaaaga tttagggtca ctgtacaggg ccttccactt cagctgactg 720
aatttaggca gttctggcca cttcagtttc cgcacccagg cctcctgacc catggatatct 780
acgatgagat ccagctgtcc attatacacc gtcacgttga tccctgcctc cagcaactcg 840
tcacaatgc taatgactgg ctcatgaag tcctcctcca tgttcacaaa gacgttggtta 900
gcctggcctc cccaggattg atcctcagga ataattttga gcttctttct gatggggcca 960
ttcatgagct ggcttaaggc atctcgttgt aggtgtctca cgtggcgctg acaaagacaa 1020
actaggtggc tctgtgtgaa ttctagactc gactccattg tagacgtggg agtgctttta 1080
gttaagatgt tatagaagtt caccatctct gtcccttctg tcgtcttctc gcagccgta 1139

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<210> 5176
<211> 1397
<212> DNA
<213> Homo sapiens

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<220>
 <221> misc_feature
 <222> (298)...(1011)
 <223> similar to gi264 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5176

ctcagagcgg	tggaattcga	acgcttttga	aagcgaatca	ggaaattact	tatcaatctg	60
aagccccata	taattatgaa	taatcctcgc	tgccaaaggg	aaggggattt	tgagcaaaaag	120
ctccacatct	gcgcacacta	gagttcaaag	actccagctg	ttggaaggct	ttgtgagcaa	180
gagccaaaga	tgtttgtcct	gctctatggt	acaagttttg	ccatttgtgc	cagtggacaa	240
ccccggggta	atcagttgaa	aggagagaac	tactcccca	ggtatatctg	cagcattcct	300
ggcttgccctg	gacctccagg	gccccctgga	gcaaatggtt	cccctgggcc	ccatggctgc	360
atcggccttc	caggaagaga	tggtagagac	ggcaggaaag	gagagaaaag	tgaaaagggg	420
actgcagggt	tgagaggtaa	gactggaccg	ctaggtcttg	ccggtgagaa	aggggaccaa	480
ggagagactg	ggaagaaagg	acccatagga	ccagagggag	agaaaggaga	agtaggtcca	540
attggtcctc	ctggaccaa	gggagacaga	ggagaacaag	gggacccggg	gctgcctgga	600
gtttgcagat	gtggaagcat	cgtgctcaaa	tccgcctttt	ctgttgcat	cacaaccagc	660
taccagaag	aaagactacc	tattatattt	aacaagggtc	tcttcaacga	gggagagcac	720
tacaaccctg	ccacaggga	gttcatctgt	gctttcccag	ggatctatta	cttttcttat	780
gatatacat	tggctaataa	gcatctggca	atcggaactg	tacacaatgg	gcaataccgg	840
ataaagacct	tcgacgcaa	cacaggaaac	catgatgtgg	cttcggggtc	cacagtcctc	900
tatctgcagc	cagaagatga	agtctggctg	gagattttct	tcacagacca	gaatggcctc	960
ttctcagacc	caggttgggc	agacagctta	ttctccgggt	ttctcttata	cgttgacaca	1020
gattacctag	attccatata	agaagatgat	gaattgtgat	caggaccaag	atccctgtgg	1080
taaacactct	gattgaatct	ggggttccag	aaggtggaac	aagcaggaat	gggatccaaa	1140
gagactccca	ctcagattct	aaagcattta	aagacaattc	tagcagaatt	tatcaaaaaca	1200
agatgaaaca	cagaaaagtt	gaaaccacaa	caaatgaat	tctattaaag	aatagcccca	1260
gatataaatt	ctcttgaaag	caatgttcat	aaatatTTaa	gcaaattaaa	gacaatgtta	1320
acaaattttc	tattaaatgc	cctgagtgat	aaaaccagtt	ggcaataata	ttgccttatt	1380
aaatcttcaa	aaaataa					1397

<210> 5177
 <211> 1096
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (19)...(650)
 <223> similar to gi3882225 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5177

gtcagtgtgg	tggaattcgg	ctctgtgaag	aaaaggggat	gctttccatc	agaagatcat	60
ctagaggagt	ttatagcaga	acatctccct	gaagcatcca	atcagagtct	cctcactggt	120
gcccatgcag	acacaggcat	ccaaaccaac	ggtgacctgg	aagacctgga	ggagcatggg	180

ccagggcaga	cagtctctga	ggaagccaca	gaagttcaca	tgatggaggg	ggacccagac	240
acactggccg	aacttctgat	cagggatgta	cttcaggagc	tgtccagtta	caacggcgag	300
gaggaggacc	cagaggaggt	gaagacatcc	ttgggagttc	cacaacgtgg	tgacctggaa	360
gacctggagg	agcatctgcc	agggcagaca	gtctctgagg	aagccacagg	ggttcacatg	420
atgcaggtgg	acccagccac	accggcaaag	aaattggaag	actccaccat	tacaggcagc	480
caccagcaga	tgtcagcaag	tccttctctt	gcacctgcag	aagaagcaac	agaaaagacc	540
aaagtggaag	aggaagtga	aaccagaaaag	ccaagaaga	aaaccaggaa	gcccagcaag	600
aaaagccggt	ggaatgtcct	gaaatgttgg	gacattttta	atatatttta	gagacctctg	660
aagattcctc	gaccaccagg	aagggccccc	acgtggggat	gtcaacatgg	ctcagacttg	720
atgtggatcg	tgatcatttc	gggaaatgtg	ttactccaaa	aactttttata	atctttgtct	780
aatttgtttt	taaatacttt	cctggctggg	cgtggtggct	tatgcctgta	atcccagcac	840
tttgggaggg	cgaggcgggg	ggatcacctg	aggtcaggag	ttcaagacca	gcctggccaa	900
caaggtgaaa	ccccgtctct	actaaaaata	caaaaattag	ctaggcgtgg	tggcgactc	960
ttgtagtccc	agctatttgg	gaggctgagg	caggagaatc	acttgacctc	aggaggcgga	1020
ggttgcagtg	agccgagatc	atgccactgc	accccagcac	ctggctacag	agtgagactt	1080
tgtctcaaaa	aaaaaa					1096

<210> 5178
 <211> 1108
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1108)...(381)
 <223> similar to gi2650265 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5178						
tttttttggg	aggtacaatt	ttaaaaataa	tacactagat	acgtttttcc	taaagcagta	60
gatgacattc	aataagccat	gttatagata	actaataaca	atgctaacag	ggtcaaacca	120
aaaaaaaggc	acaggtcttt	cacatgtttt	cattagattt	gtttaggcca	agttttacaa	180
ttcacatctc	catttttgga	agtaatttcc	tactgcaa	atatttttct	gagaaacaac	240
tcaaataatt	taatttcaat	taagaaatta	aatcaactca	aaataggaat	aagacaaact	300
cattatgctt	gcttcagcat	ttccttctac	cgtgcccaaa	aatgctgggg	tcttcaattg	360
gtaaaagtta	tcttgtatgg	cttgccattg	acaatggcag	ataaagctga	tcgggggatc	420
ttgccagatc	tggttttggg	tagctgtttg	acaaacactg	catttcgaaa	agcagccaca	480
gggccaatgt	tctgtctaac	gtgtttcaca	atttcttcca	aaacttgctc	ctctgttgca	540
tttatatctt	ttctcaatac	acagagtgtc	aaggggacat	gaccttttaa	gggatcttcc	600
ttgccaacaa	cagcacagtc	tgccacggta	ccatgggaaa	ggattgactc	ttcaatggcg	660
cctgcagaaa	ttctgtgacc	tgcaacattt	attacatcat	ccactcgaga	cataacatac	720
aaatagcctt	cttcatccat	gtaaccagca	tccatgggat	cataatatcc	aggaaaattt	780
tcaaagtata	aatgcttgaa	tgcttctctga	ttcttccaga	gtcctgaaaa	agcccagggt	840
ggcaatggta	actttaccac	aatatttctc	aaacaccgag	ccttcagttt	ttgcatgttg	900
tcatccaaaa	tcataacatt	gtatcctggg	acgttttttc	ctgcttgccc	tggtggaggt	960
gttttagaat	tgccataatc	aacacatgac	gcagtaattg	gagatccagt	ctcagtttgc	1020
caccaatggg	ctaagacagg	tactctgaag	acatttttgg	accattccag	ggtctctaca	1080
tcacatcggt	ctccagccga	attccacc				1108

<210> 5179
 <211> 1025
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (14)...(244)
 <223> similar to gi3777621 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5179
 tctctagtcg gtgcggtgga attcggagct gggcctccgg gactccgaca tggactacat 60
 ccagacggat gccatcatca actacgggaa ctccggggga cactcgggtga acctggatgg 120
 cgagggtcatt ggcatcaaca cgctcaaggt cacggctggc atctcctttg ccatcccctc 180
 agaccgcatc acacggttcc tcacagagtt ccaagacaag cagatcaaag cccctcact 240
 ggcagttcat tgagagcagg gggcttcctc acgtttcccc ctccctccatg accccgtcag 300
 ccaagcacat ggaccccgat gcagccaagg ctggtgccat gagggctggt cacatgaaga 360
 gctgctgttg aggatgccgc cattgttctt ctgtgtccat tatgggaaga caatctggag 420
 ccaggcagag cctgtctttc ccaaagaagc tgaagtcttc ttctcttgaa cagtggggac 480
 catctaattc cttgagccct tttcctgttg gcttctagga agctcagagc tagattcagg 540
 ggtgcaccca gacctgtcct agcatgctcc tttccctaag gaccgagtct ttctgttga 600
 attatcccat tctccatggg tgcctttgac tttggcctcc ttactggaaa ttagcggagc 660
 tgctgtttgc acacactgag ctgtgaggtg gctttccttg gaagtggatg atagtgtcct 720
 cttcccttct tgcctctctc tttctcctga gacaggatcc ccctggggcc taggtttgct 780
 cttttgttgt acaggggctg tccaggttag tgctgacctt catcccagaa cccctggga 840
 aaatatcccc tgtcctcaga gctgtgttcc cctccccaag gacagtgcag acttaactga 900
 gggagcctga taaaccttag ctgcatggca caattgcaat tttaaaatcc tttcttgaag 960
 ttgattggtg tttgtaattt gcttctcttt tttatttaat aaaatccaat gatccaaaaa 1020
 aaaaa 1025

<210> 5180
 <211> 1401
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (31)...(697)
 <223> similar to gi454325 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5180
 cgagaccact agtcagagc ggtggaattc gagagacagt atgaatgcc aagaatgtggg 60

gtggttcaga	tgttttatgt	ggctgagcca	aagcaagtgc	cccatattct	ctgtagtcct	900
tctatgaaga	atattaatcc	tttaactgcc	atgagctatc	taaggaagct	ggatacttct	960
gggttttcat	cgatcttagt	gacattgacc	aaggcagcag	tggctctgaa	aatgggagat	1020
cttgacatgc	acagaaatga	aatgaaaagc	cattcagaga	tgaagttggt	atgtggcttc	1080
attctggaac	ctcggctgtt	gattcaacag	agaaagggac	agattgttcc	aaccgagctt	1140
gcacttcact	tgaaggaaac	tcagcctgga	ttgcttgtgg	cttcagttct	gggcttgca	1200
aagaacaaca	aaattggaat	tgaagaagca	gattcctttt	ttaaggtgct	ttgtgctaag	1260
gatgaagata	caattcctca	gctcttggtg	gacttttggg	aagctcagct	agtggcatgt	1320
ctcccagatg	tggtaactca	ggaactcctt	ttcaaactca	catcacagta	catctggaga	1380
ttgtctaagg	aggcagcctc	ctgacaccac	accattgcca	acatcggagg	atcttattct	1440
cctggtcatt	ccttggtaga	tatttggaat	aaaataatca	cactgactgt	gattgggtag	1500
atcacattcc	atattctcct	gtgagtctca	gaagatgctt	cattttgtag	aacggtgtaa	1560
gtggtttcca	ttccagcatg	aatgtggtcg	gtcacatggc	agtggagtaa	ccaaattcca	1620
ggtgttcttg	gaaacatttc	tagggtttgg				1650

<210> 5182
 <211> 1069
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (24)...(718)
 <223> similar to gi535185 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5182						
ctgatcttaa	ggataaccatt	ggctctgtca	ccaaaacacc	gagtgggttta	tacataattc	60
accagaagg	atctagctac	ccatttgagg	taatgtgtga	catggattac	agaggagggtg	120
gatggactgt	gatacagaaa	agaattgatg	ggataattga	tttccagagg	ttgtgggtgtg	180
attatctgga	tggatttgga	gatcttctag	gagaattttg	gctaggactg	aaaaagattt	240
tttatatagt	aaatcagaaa	aataccagtt	ttatgctgta	tgtggctttg	gaatctgaag	300
atgacactct	tgcttatgca	tcatatgata	atttttggct	agaggatgaa	acgagatttt	360
ttaaaatgca	cttaggacgg	tattcaggaa	atgctgggtga	tgcattccgg	ggtctcaaaa	420
agaagataa	tcaaaatgca	atgcctttta	gcacatcaga	tgttgataat	gatgggtgtc	480
gccctgcatg	cctggtcaat	ggtcagtctg	tgaagagctg	cagtcacctc	cataacaaga	540
ccggctgggtg	gtttaacgag	tgtggtctag	caaatctaaa	tggcattcat	cacttctctg	600
gaaaattgct	tgcaactgga	attcaatggg	gcacgtggac	caaaaacaac	tcacctgtca	660
agattaaatc	tgtttcaatg	aaaattagaa	gaatgtacaa	tccatatttt	aaataatctc	720
atttaacatt	gtaatgcaag	ttctacaatg	ataatatatt	aaagattttt	aaaagtttat	780
cttttcactt	agtgtttcaa	acatattagg	caaaatttaa	ctgtagatgg	catttagatg	840
ttatgagttt	aattagaaaa	cttcaatttt	gtagtattct	ataaaagaaa	acatggctta	900
ttgtatgttt	ttacttctga	ctatatatac	aatatacaat	gaaattttgt	tcaagtgaac	960
tacaacttgt	cttcctaaaa	tttatagtga	ttttaaagga	ttttgccttt	tctttgaagc	1020
attttttaac	cataatatgt	tgtaaggaaa	attgaaggga	atattttac		1069

<210> 5183
 <211> 1805
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1806)...(778)
 <223> similar to gi32391 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5183
 ttttagggcc agcgtctggg ctccatttga tcagggtcagc atttattagt aggaagcagt 60
 aacattttaca actggtcctc gggcaggaac cgggagggcc accacccgcg gccgcccacg 120
 cgagcccagc cttcaggagg agagagcagc gcggtccaatg cactgaggac aataccccaa 180
 cccgcctcga ggctcctgcg gctcctctaa gcctcactgg atgatctcca ccagagggtcc 240
 tcgctgcctt ccctgaggaa agggggcttt cgcaactggg gggcaacccc gccgggcttc 300
 accgtgggct agcagccggt gtgtccgcac tgttgtcgct ctgccttcat tcttggaatt 360
 ggggcgccact tggacccctg tttgggcagt gctggggggg gaggggggact aaactaacag 420
 cactttttcaa aaacatgggg gacattttaca caagagaggg ctccccaagc cagcttgccac 480
 tcacaaaata tagcattttct taaggaacca atggagcagg aaaaagaggg agtgggtag 540
 ggcgaaaccc caaagccact tggtttttcc aacacgtaaa cgagcaaata cagagtcccc 600
 caaatacctc agagaccaac cccccagtc cttttattta aaaagaaaaa aaaaagaag 660
 aagaagtcca agtcgctgga gaggtttctg aaatcaagca ccaaacaccc acaaaggaaa 720
 acagcaacaa caacaaatcc gctgcccttg agcgtcccg ccagcaccgc gccgggtcag 780
 tctccttttg ggcattttct cttgctcatc tttttcattt tcatcctaag gttctgaaac 840
 cagattttga cctgtctctc tggttaggttg agaatcctgg ccacctcgta gcgccgggtcc 900
 cgggtgaggt acatggtgaa gaggaattct ttctccagct caagcgtctg gtatttggtg 960
 tagggacagc gctttttccg ggtggagcga gctgggatac agttcgcggc ggggttggtt 1020
 ggggtcaagt gctgctgctg cggctgcgaa tgctgcttct cctcctcctt cagcgaacag 1080
 cctgggatcg ggtggctcgt gcaagctgag ggctccgacg agccgcccgt ccagtcgcg 1140
 gccccgatcc ctgccccagg cccggttccc cccgtcgccg ctgcccctt ctcctgcagg 1200
 aacgagttgc acgagaactc ggggcccgtg ctcccctggg actcccgggc caccggagcac 1260
 tcagtcctgt tggaggagga ggataaggaa gtggaggagg aggaggtggt ggaggcggcc 1320
 gtggcggggg ccggggccgc tcgggtttca ggcttaatcc cgtagtggcg cccgttggtc 1380
 gggccgctgg ggccagggtc gggaccgcg cccggaccgc cgcctccacc accaccgcca 1440
 ccgccgcac cgcccgga gcccggcagc ggctccatcc aggagcgac gtagcggccg 1500
 ggctcggagg cagaggcggc caggggcggc gggggaacgt acgggtggtg gaggcgctc 1560
 atcgccgccc ctgcccgggg ctgggagggc accgcggacc acgaggcaga gaacacggcc 1620
 gatctggggg caaaactaca cgaggcgaac tcggcgggcg tggcggcgg gccatcagcc 1680
 acacctgcag gccggccctg cgcgcctggc cccggcgggc cgaagcgcg cgcgaacacc 1740
 tcgtcgccct catggcctat aagcgagtcc acgtagtagt tgctgagggg gccactggaa 1800
 gacat 1805

<210> 5184
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (4)...(379)
 <223> similar to gi3387798 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5184
 gcggaggact ttgcggctgt gcgggccgat gactcagagg tggatgggga ctgcagcctg 60
 actggacctt ctgcttttgt gggctcctat ggcacctccc cagaggggggt cggaggatac 120
 atccattccc atcggcccct gggccaaga gagtttgagt ccttcattga tgtctatgcc 180
 atccggagtg ctgaaggagc cccccagaag gaggtctact tcatgggcct cattgatatc 240
 cttacacagt atgatgcca gaagaaagca gctcatgcag ccaaaactgt caagcatggg 300
 gctggggcag agatctctac tgtccatccg gagcagtatg ctaagcgatt cctggatttt 360
 attaccaaca tctttgccta agagactgcc tggttctctc tgatgttcaa ggtgggtggg 420
 ttctgagaca cttgggggaa ttgtggggat attctagcca ccagttctct tcttcctttg 480
 ctaaatctag gctgcaggct ccttccatcc agataactcc atcctgtcga gtaggctctt 540
 tctgaccctc agaaatacat tgtccttttt cctctttgcc catttttctt ccctctcttc 600
 ctccccatga gaagtctgct tgtagtatta gaatgttatt gttgactctc tcccaagtgc 660
 cttgatcttt gtaatatctc ctgttgtttc tatgatatag gagctagggg aagggggttg 720
 cttgccttct tcaggacctg actggacaga tggacctggc tcaagcaact actc 774

<210> 5185
 <211> 1582
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (3)...(742)
 <223> similar to gi498015 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5185
 gtggtgtcgt acatgacaca atgacgtggt tcgggccata tcctattgga actggacttc 60
 aggaataac ctttgtttat agttgttttc cctccttctg caagatgaaa agcaggatgt 120
 gcatggctat cagcatttgt cagacgcttt ccatgttgag ttttgtggtc tgtgctttca 180
 ggtacaggca tatgttcaaa aggggttggc caatgggtac atgttgtttg tttctgcccc 240
 cagctgcccc agtgctcagc tgtgaagctg caacacagac tgaaaggaga ctggatctgg 300
 ctgcagtgac tctgaggaga ggcttgagat ctagagcttc gcgatgcaga ccgcggtctt 360
 tgatagatta caaatcctac atggacacca agctgctggt ggcgagggtc ctggagcagt 420
 cctcttgtac catgacccca gacatccatg aacttgtaga aaacattaaa tctgttttga 480
 aatctgatga ggagcacatg gaggaagcca tcacaagtgc cagttttcta gaacagataa 540
 tggccccatt gcagcccagc acatccaggg cccacaagct gccctcgcgg agacagcctg 600
 gcctgttgca cctccagagc tgcggcgacc ttcacacctt cacaccagcg gggaggcccc 660
 gagccgagag gagggccccg cgagtggagg ctgagcggcc acacagcctc attgggggtca 720
 tccgagagac tgtcctgtga accctggaag acagaaggcc actccaaggg gaaggatccc 780
 tctcctctct gccatttctt ggctgggagc tgtggtccac ctcaaaaaaa aggagcactc 840
 tggaggacac gttttcccac ctgttggtct ccgtgtctgc tgactgaggg cattcaggag 900

gaagctggtg	acatgagtga	cactgcccag	ccgagccagg	gtcccagggc	tgttgacacg	1560
ggtgatggtg	ctcttgcccc	cactactggt	gctgagtagg	gtcgggggcg	cccgcagccc	1620
cagtgtcagt	tctgccctct	ggttgctgtg	gggcagcagc	acccggcctg	tggaggcctg	1680
gccacggccg	tccttgatct	cgatggtgaa	tgtggtcttc	atactgcccc	ctggctcggc	1740
agtgccgacg	gccacgggca	gcggggcacc	aggctcctct	gaacgtgcca	caggcccccc	1800
tgctctgttt	tcaagggggc	tagcagccaa	gccccgcccc	ctggggccct	cctcctgggg	1860
gcagcttcga	agctggggca	ggggctgggc	tactcctcgt	tgctccttgc	tgaaccggga	1920
ggaggtatca	ctgggccaat	tccaccacc				1949

<210> 5187
 <211> 1091
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1080)...(844)
 <223> similar to gi3342738 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5187						
atccgtccgc	tgaatttttt	ggaaaaacgg	aaaaaaccaa	gtgccttttag	gaaaaaaaaa	60
ggctggggcg	ggtggctccc	ccctgtgatt	cccgcctttt	gggaggccca	ggaaggagga	120
tccctggagg	cccggagttc	aaccagaccc	ccgttttttag	tatggcccaa	aaaaaaaaaa	180
tctgtagaaa	aatggaagag	attggggagg	gaggaaagag	gctgcctggg	tccaggttgt	240
gcctctgtgt	gaagagacac	cagcggctgc	cagtggggag	tgcgagtaa	aggcctgcgg	300
gaggagatgt	ccgctctcag	gggctcggaa	gccccctcagc	ctcttgctc	cccaacggga	360
gacatgtagg	aggccgagca	agctgggtgc	ccttgagaga	caggcccagg	cagggtctgt	420
gccacagcag	ccctgggggc	tccccagcga	ggtggaggca	gaagttccag	gagcctggga	480
gccacccagg	gcaaggagtg	accctggaag	ccatccagcc	tcctggaaag	tggaagtggg	540
ttaaaaaacac	agtgggcttt	tccggttgct	agtaacacat	agaattacag	agttcacgtt	600
ttagtcccag	acgggagact	gaggctcgag	actgaggaag	gcatctgccg	tccgggggtt	660
gagctcctga	ggaccaacac	ctgctcagcg	gctcggcccc	tggtctccct	gagatgctca	720
ggccggagag	aagcgggatg	atggttccag	agcgtcctcc	tccaagtctc	cgaggcccca	780
gcggcgggtc	gggcaccggg	agacccgcgg	ggctctcagt	ggcacatccg	ggcggtcatt	840
tctttcagtg	gctccagctc	cttggtgtcg	atgaggccga	actccttgac	gaaatagtag	900
aagtgtttgt	agcaggtgtt	cacgtgggcc	tcggagccca	tctgcccgat	gcggtcaaag	960
tggtggatgt	agacgtgcac	gaacacgcgg	aacagccgca	acaggatctt	ccgcaccgtc	1020
tcgaggaagt	tcttgggaaa	cggagtgcc	acgttggtgg	ggaagaggtc	ctcgtttgtt	1080
aagtcccgcc	a					1091

<210> 5188
 <211> 2014
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (18)...(1417)
 <223> similar to gi56494 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5188

tcgacccacg	cgtccggatt	tatgaagctg	atttgcagta	ccgtgtcacc	ctagattcac	60
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tcacagttcg	aaaatcagaa	tgcactaagc	actccttcta	catgttggac	aagcatgact	180
ttcaggactc	tgtgagaata	acgttggact	ttaatcttac	cgatccagaa	aatgggcctg	240
ttcttgatga	ttctctacca	aactcagtac	atgaatatat	tccctttgcc	aaagattgtg	300
gaaataagga	aaaatgtatc	tcagacctca	gcctgcatgt	cgccaccact	gaaaaggacc	360
tgctgattgt	ccgatcccag	aatgataagt	tcaacgttag	cctcacagtc	aaaaatacaa	420
aggacagtgc	ctataacacc	aggacaatag	tgcattattc	tccaaatcta	gttttttcag	480
gaattgaggc	tatccaaaaa	gacagttgtg	aatctaatac	taatatcaca	tgtaaagttg	540
gatatccctt	cctgagaaga	ggagagatgg	taactttcaa	aatattgttt	cagtttaaca	600
catcctatct	catggaaaat	gtgaccattt	atttaagtgc	aacaagtgc	agcgaagaac	660
ctcctgaaac	cctttctgat	aatgtagtaa	acatttctat	cccggtaaaa	tatgaagttg	720
gactacagtt	ttacagctct	gcaagtgaat	accacatttc	aattgctgcc	aatgagacag	780
tccctgaagt	tattaattct	actgaggaca	ttggaaatga	aattaatatc	ttctacttga	840
ttagaaaaag	tggatctttt	ccaatgccag	agcttaagct	gtcaatttca	ttccccaata	900
tgacatcaaa	tggttaccct	gtgctgtacc	caactggatt	gtcatcttct	gagaatgcaa	960
actgcagacc	ccatatcttt	gaggatcctt	tcagtatcaa	ctctggaaag	aaaatgacta	1020
catcaactga	ccatctcaaa	cgaggcacaa	ttctggactg	caatacatgt	aaatttgcga	1080
ccatcacatg	taatctcact	tcttctgaca	tcagccaagt	caatgtttcg	cttatcttgt	1140
ggaaaccaac	ttttataaaa	tcataatttt	ccagcttaaa	tcttactata	aggggaggac	1200
ttcgagtgga	aaatgcatct	ctgggtttta	gtagcagcaa	tcaaaaaaga	gagcttgcta	1260
ttcaaatatc	caaagatggg	ctaccgggca	gagtgccatt	atgggtcatc	ctgctgagtg	1320
cttttgccgg	attgttgctg	ttaatgctgc	tcatttttagc	actgtggaag	attggattct	1380
tcaaaagacc	actgaaaaag	aaaatggaga	aatgaaatat	tttacgaaag	aaaataataa	1440
caattattca	ataatctatc	ctcaggtttg	cctcaaatat	gtgacaagaa	atgtataaatt	1500
catgacatag	tcagttaact	atgtaatcca	tcagggatcc	attacttgga	aaatgacagg	1560
gcatgcatta	tccaaaaaca	ataccaaaaa	gacatatatt	ataaaatgac	aaaaaatatt	1620
ttacataaatt	actcattttt	gttgagtaag	caaaattaca	aagtgttttt	aaaaaaacct	1680
gtacaaatat	gtttatgtat	taaatcacca	tccaaaatat	ttaaggaata	tataaaaaga	1740
tttttatgat	catagaaaca	tctattttca	aaacaatata	aattaagctt	ttccccttga	1800
ttcctgttgg	atatccatgt	tcagcatgac	agtcagcact	cgtaaagtgc	aagaaaagaa	1860
ttacctgaaa	aagatcattt	ctccctattc	aaatgagaat	attttccctc	ggtagaatcc	1920
atatacaata	tggattgaaa	attaagtcac	gaagaataca	tttagcatct	ttgtgttggg	1980
ttctatacct	aaaaattttc	cctcccggcc	caag			2014

<210> 5189
 <211> 1291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (947)...(502)

<223> similar to gi5020266 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5189

tttttttttt	ttcccagttt	caggtatgtc	tttatttagca	gtgtgaaaat	gaactaatac	60
agactggaag	ccttgtgaca	ggaaaactga	acatctgaga	catctatagg	aaaaaaagat	120
ctgcttacat	ccagtccttg	gagttccagt	agactgattt	attcaccaac	agcattgctc	180
ctccagctcc	attccaggag	acaggcaccc	cagaagtagc	aggactggta	gacatcacta	240
gtattgtata	tgtgttgggc	catgtttgtg	tgttgaggaa	gaggatgggg	aaaacaatga	300
tggtggtcac	caggtaagat	ggggacccag	gaagggattg	caagtccagg	cccatgaac	360
acccccaaaag	aatgcccctc	ctcttggaag	taaaagtggg	tcttgatcc	agggagatca	420
acagttgcaa	ggctgatatt	aagagttgtc	tattggatct	gttctaaggg	atatgttatg	480
tgaagccaaa	ttaatgaagt	taggaagtca	cattacaagt	tgatgggtac	tttgtttcat	540
caacttgtag	aatttcttcc	ttttgaacct	ctttactggg	tgtagctgg	tgacttaggg	600
gtagggatgt	ggaggtgtc	ataggcccg	ctccgctctt	gggctgaag	ggaatcctat	660
gtatgcggca	gtatacaaag	tatgcaggga	tggggaggat	gacaatggca	aaaagggtga	720
tcatcaagag	cagtgcacac	ggtgggtatg	gtcgaagcac	ctcttttgag	gtgcttgagt	780
cccaggacat	gtaggtgatc	ggcttcatac	aaagatgaac	catcatggtc	acaaagatga	840
ttagcagcac	aactggacac	agatggggcc	acagccaacc	aaagatggga	gagatggggg	900
ggcccaacag	gatcgtcagg	tctgcaagga	acctggagaa	gggccaccag	agtgtgggat	960
gcccgattag	gcctcaccac	cttgagggca	gggccagccc	aaccttgga	tctttcaaac	1020
attctattgt	atctctaata	tctgtttca	tctcaagtct	tgctctctct	catcttcccc	1080
ctagtcagtc	tgtcttctat	cctaaccxaa	gaaacttttc	caaacacccc	tctcctgctc	1140
aagaactttc	catgggtatc	caatggcctc	aggagaaagg	ccaagtctct	ttcattcatc	1200
ccataaatat	gagaatgtct	atgatgtgcc	aggaactctt	ttaagtgtct	gatatccagc	1260
agtgaacaac	acagataaaa	taaagtggca	t			1291

<210> 5190

<211> 1736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)...(1009)

<223> similar to gi5834569 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5190

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tcaacatcaa	gccttggttg	aagccatgga	gcagcaaagt	attagtcttg	ctaaggctgg	120
tgtggtttgt	agccttctct	caagaacttc	cattattgct	gctgcaaata	cagttggagg	180
acattacaat	aaagccaaaa	cagtttctga	gaatttaaaa	atggggagtg	cactactatc	240
cagatttgat	ttggtcttta	tctgtttaga	tactccaaat	gagcatcatg	atcacttact	300
ctctgaacat	gtgattgcaa	taagagctgg	aaagcagaga	accattagca	gtgccacagt	360
agctcgtatg	aatagtcaag	attcaaatac	ttccgtactt	gaagtgtttt	ctgagaagcc	420
attatcagaa	agactaaagg	tggttcctgg	agaaacaata	gatccattc	cccaccagct	480

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attgagaaag tacattggct atgctcggca gtatgtgtac ccaaggctat ccacagaagc 540
tgctcgagtt cttcaagatt tttaccttga gctccggaaa cagagccaga ggtaaataag 600
ctcaccaatc actaccaggc agctggaatc tttgattcgt ctgacagagg cacgagcaag 660
gttggaattg agagagggaag caaccaaaga agacgctgag gatatagtgg aaattatgaa 720
atatagcatg ctaggaactt actctgatga atttggggaa ctagattttg agcgatccca 780
gcatggttct ggaatgagca acagggtcaac agcgaaaaga tttatttctg ctctcaacaa 840
cgttgctgaa agaacttata ataatatatt tcaatttcat caacttcggc agattgccaa 900
agaactaaac attcagggtt ctgattttga aaattttatt ggatcactaa atgaccaggg 960
ttacctcttg aaaaaaggcc caaaagttta ccagcttcaa actatgtaaa aggacttcac 1020
caagttaggg cctcctgggt ttattgcaga ttaaagccat ctgagtgaag atatgcgtgc 1080
acgcacagac agacagacac acacacacac acacacacac acacacacac acacacacac 1140
acacagtcaa atactgttct ctgaaaaatg atgtcccaa agtattataa taggaaaaaa 1200
gcattatata taatacacta atttaagaag tgataaagtc tccagatgca gtagctcaca 1260
ctgtaatcac agtgactcag gaggctgagg tgagaggatt ccttgaggcc agggttcgag 1320
accaaccttg ggcaacatgg caagacccca tttcttaaat tagtttatta tatttaaatgc 1380
ttttttccta ttataatact tttgggacat cttttttcag agaacagtat ttgactgtgt 1440
gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt ctgtctgtct gtgctgtcac gcataatctt 1500
cactgagatg gctttaatct gcaataaacc caggaggccc taacttggtg aagtcctttt 1560
acatagtttg aagctggtaa acttttgggc cttttttcaa cgaggtaacc ctggtcattt 1620
agtgatccaa taaaattttc aaaatcagca acctgaatgt ttagttcttt ggcaatctgc 1680
cgaagttgat gaaattgaaa tatattatta taagttcttt cagcaacggt ggtcga 1736

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<210> 5191

<211> 2291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(1985)

<223> similar to gi3329465 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5191

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gagataccgg tgtaggcctt tttgcactaa gtgacattaa agtaggcact gaacttacct 60
tcaactacaa cctagaatgt cttgggaatg gaaagactgt ttgcaaagt ggagccccga 120
actgcagtgg cttcttggtt gtaaggccaa agaatcaacc cattgccacg gaagaaaagt 180
caaagaaatt caagaagaag caacaggga agcgaggac ccagggtgaa atcaciaaagg 240
agcgagaaga tgagtgtttt agttgtgggg atgctggcca gctcgtctcc tgcaagaaac 300
caggctgccc aaaagtttac cagcgagact gtctcaatct gaccaagcga ccagcatgga 360
aatgggaatg tccgtggcat cagtgtgaca tctgcgggaa ggaagcagcc tcttctgtg 420
agatgtgccc cagctccttt tgtaagcagc atcgagaagg gatgcttttc atttccaaac 480
tggtatggcg tctgtcttgt actgagcatg acccctgtgg gcccaatcct ctggaacctg 540
gggagatccg tgagtatgtg cctccccag taccgtgcc tccagggccca agcactcacc 600
tggcagagca atcaacagga atggctgtctc aggcacccaa aatgtcagat aaacctctg 660
ctgacaccaa ccagatgctg tgcctctcca aaaaagctct ggcagggact tgtcagaggc 720
cactgctacc tgaaagacct cttgagagaa ctgactccag gccccagcct ttagataagg 780
tcagagacct cgctgggtca gggaccaa atccaatcctt ggtttccagc cagaggccac 840
tggaacaggc accagcagtg gcaggaccaa gacccagct aagcgacaaa ccctctccag 900
tgaccagccc aagctcctca ccctcagtc ggtcccaacc actggaaaga cctctgggga 960

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cggtgaccc aaggctggat aaatccatag gtgctgccag cccaaggccc cagtcaactgg 1020
agaaaacctc agttcccact ggcttgagac ttccgcccgc agacagactg ctcattacta 1080
gcagtcccaa accccagact tcagacaggg ctactgacaa accccatgcc tctttgtccc 1140
agagactccc acctcctgag aaagtactat cagctgtggg ccagaccctt gtagctaaag 1200
aaaaagcact gaggcctgtg gaccagaata ctcagtcaaa aaatagagct gctttgggtga 1260
tggatctcat agacctaact cctcgccaga aggagcgggc agcttcacct catcagggtca 1320
caccacaggg tgatgagaag atgccagtgt tggagtcaag ttcattggcct gccagcaaag 1380
gtctggggca tatgccgaga gctgttgaga aaggctgtgt gtcagatcct cttcagacat 1440
ctgggaaagc agcagcccct tcagaggacc cctggcaagc tgtaaataca ctcacccagg 1500
ccagacttct ttctcagcct cctgccaagg cctttttata tgagccaaca actcatgcct 1560
caggaagagc ttctgcaggg gctgagcaga cccaggggcc tcttagccaa tccccgggcc 1620
tggatgaagc ggcgaagcag atggctggag gccagcaact acctgcactt gccgccaaga 1680
gtgggcaatc ttttaggtct ctggggaagg cccagcctc cctccccact gaagaaaaga 1740
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tctggcccat agtggctgga cagacactgg cacagtcttg ctggtctgct gggagcacac 1860
agacattggc acagacttgc tggctctctg gaagagggca agacccaaa ccagagcaaa 1920
atacacttcc agctcttaac caggctcctt ccagtcacaa gtgtgcagaa tcagaacaga 1980
agtagtacca atcaatgtca catgaacaaa caagctgccc ccagggtacc atttggggag 2040
gggaaatctt ttctttcttt ccccttaaa aaaaaacaca tctgccccga acactttccc 2100
actgttattc ttctctcata tcccaacact cagaactctt gtgacattag ccagtggggg 2160
cttatggttg tgtgaaccat gtatgaaaat ccagtggggc ccaaccaagg agacagacag 2220
acttgggtct ctttccccca acttttccac atggtcatcg tgaataaaaa agtcccctct 2280
ggaaaaaaaa a 2291

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<210> 5192

<211> 857

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (860)...(219)

<223> similar to gi455834 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5192

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tttttttttt ttctggacat cttccatttt atagaaaggg aaattgaggg caggggttgg 60
ggaggcctgg caaggaacat ggtgcatggt aggtggcaga agggacctct gtgctcagag 120
ctgtgcctca ggacctatcg ttcagatggg aagactgagg ttggggagggt gtgtcttggg 180
ttaggaagct gggctcgggg caggggtcag cgcgggcatg gcaggcacgg tgaatgtgaa 240
cttctcagtc tggacaaagg caacgccctt ctcatagtag gcagcctcgt taatgaacac 300
ggggtacacc gtggactctc cctcatagag caggctcctc ccactgaaca tctggaagat 360
gggagcacca ggctgcagtg gctggaagtc tgggtcctgc agctgaggat gcacagtgcc 420
tgccagggtgc cgggcctcgg tgcgggggaa gtccacgacg cccacgggtc tataggcttc 480
catctcaaag gcaggaaagg ccgtaccctg gttgaagagt tcgatgaagt ccagaactgt 540
ggccaccagg gtcctcatcc ttgagaaaat gtcagcccgc agcacaccct gtggctgggg 600
gccagctcc agaccagtc catttttggc cacagagtcc aggttgtagc tctcctcccc 660
agaccgctgg tacaggaaga cctggcagga cagctcgggg tactgcagct gcagatggcg 720
gcacagggtgc atggcaaaga cttcgtggga ggacttcgcg attaagcagg tgcccatgtt 780
ggccgtggtg ttgtgcagggt caaggacaaa gtcaaaggcc tggcccaggg ccttgggccc 840

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<210> 5193
 <211> 1598
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1079)...(831)
 <223> similar to gi2276319 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5193
 tcgacccacg cgtccgcccc cgcgtccgaa aaaaaaaaaat gttgatcctg tcttggtccc 60
 cctgggatcc gtcttttctg acgtttgccg ctgtctcccc tcatccccc ggttgctagt 120
 taattctctc ccctcgtgcc tgcaccctgc tgccttagct agcctggcca cctcactgcc 180
 gtgtcctgca tcaggccagc cacagagtcc tacagggtccg gggcttgctt gtgggaacgg 240
 cttgttcttc tagactctgg gggcgggggc ttgggtgtgt ttccttactt gtaaaaggtc 300
 ctgttgtttt tgggagcagg gagtaatggc ggatgagacg ctgtgtggag gcggcagctc 360
 ctgggtatggg gtaacgcctt gtccctcat tggcagggtgg ttgcatgaa gcatcaggcc 420
 agaggggtgt agtgccaagc cctcacccca catgctgctc ctgttaaaag caaactccac 480
 tgacccccc ggggaagtcag gatttgggat ttacttctct gaatgcttgc ctctggctgc 540
 tgggaattgg ggcctttccc caaagcctga accaggcctc acagtggcca tcaggcacag 600
 aatggatggg cacagctgag tggctccact ggctttaatc tgccccacct cttccacacc 660
 aacctccacc ctctggttcc gatgtgcttg gttacaaagc acctgattat ttaagagaac 720
 gaaaaaccac caccagttcc tgtaaagaat aagtcacagg tgcacagggt aagggtgag 780
 ttgtggtcca gcccaggga gtgtgggctg tgaggcagga gcgagctaaa cctgtaggag 840
 cagcgccacg gctgccagga tccacttcgc tgccttctct ttggtcttca agttaaagg 900
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 ggtctccatg cggctccacg gaatggcctt gatgaagatg acaggcatgg ccgggggtcag 1020
 ctctttcagc cgcgcttcag cgatgactcc agtctgggtg tcccagcgag cccctgcagg 1080
 gacagtatgg ctgagggtca ggtgtgctgc cagtaagtga gggaggggct ggcaggaagg 1140
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 ccagctgccca cagctggaag cagaggcctt cgtagggtgat ggctgcatg ttgtaactac 1260
 cccgtcccgc tgggctcaag gaacagctca gctaaagccc tcgggttcca tccgtttaaa 1320
 tctgtggcat ttccagagcc tcatctgtca gccttaatgt cagtggcagg aagtcataac 1380
 tccagctaaa aattacagag taaagttccc tgattcttaa tgtgtaatgt ctgccctatg 1440
 tgtacatata caatataatt atacatctgt gcatataaat attgccttta accagactgc 1500
 tattatttct actcgcccta tttaatggtg tttttatttc ctgtctgaaa tctcaaaata 1560
 aacaaacatg gagagcttaa aaaaagtcga cgcgggccg 1598

<210> 5194
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (990)...(861)
 <223> similar to gi1872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5194

tcagatgaca	gtaaacctca	gagttgttat	aaattaaatg	gatataatgt	gtgtaaagca	60
cttagcataa	tgctttatac	atcgtagaac	tttcaaaaat	aggagtagta	attattacaa	120
agaaatgtga	agaagagtc	tagtgggctg	catgttaaaa	atagttttta	gttaatgaaa	180
attaaatcac	atcttagatg	tttatcatct	gcatgggtact	tttctgggtg	ctgctttaac	240
ctttgtatag	ttgaaaggct	gtaaactttc	tagtattctt	tgatttctgg	cccatttccc	300
tcctaccatt	cacgcttata	ttttttggtt	caagtcacca	ttccttgcaa	aactaattaa	360
atacattcct	aaatacataa	tattgccaat	attcattcac	atccaccacg	tctagatcca	420
agtcttcac	ttctttatgc	tggctctaatt	tttgctgagc	cttagaagca	aagacagact	480
ccgggggttg	atatgggacc	tccagaatgg	ggattgcaca	gaataatctt	atttttcctc	540
tattcttcta	ggctgttatg	ttctgaaccc	acacatgttt	tcggaaggac	cagatggctg	600
acactggcta	atgggaacca	aaagacgagt	gaaagtaacc	tgggttggtca	cataccccca	660
gcttagaggt	gcttcaccct	gccccagggt	caatttcttt	tttctctaga	gactttaccc	720
cattatatca	aaaaccttta	ctacagcctg	actttatctg	atgttagagt	atcattaagt	780
caagcagcag	cattttattga	gtgaaaaaag	attgtacaca	ggactggaag	agaagcatct	840
gcctttaaaa	tacagtagaa	ggccgggcat	ggtggctcat	gcctgtaatt	ctagcacttt	900
gggaggccaa	ggcaggtgga	ttgcctgagc	tcaggagttc	gagaccaccc	tgggcaacat	960
ggtgaaaccc	tgtctctcct	aaaaaaaaaa				990

<210> 5195
 <211> 916
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (600)...(398)
 <223> similar to gi4468339 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5195

ctgtggcgga	attcgaacgc	gggagaagga	cgttgcagtg	agccgagAAC	gcaccactgc	60
actccagcct	gggcgacaaa	tgacactcca	tctcaaaaca	taaaaatata	aaaaatgttt	120
ggctttggaa	accatgcctt	gctgcttaac	ctactgcgtc	ctggggcagg	ttccttgtca	180
tctctaagct	gcagttttct	catcttcgaa	atagttctaa	gccccctat	ggctcttttg	240
ggtttcagag	tttgtaatat	agcgccttta	ttctccacac	agagcaggca	ctcacaactc	300
tcctttttcca	ctgtcctctc	ttccctgggtc	tctgatctct	cgagccatcc	taattcctgg	360
accctttgca	gtgtccttgc	cagcttgggt	tccccagcac	tgtcctccac	ctcctggcca	420
cagccctatg	cacctgcagc	ggggcccact	gggcaggtgc	tggcactggc	ctccatggtc	480
acagtagccc	ctactgcacg	gggacacgca	ggtgaagccg	ctctgggggc	tgtagaccag	540

<211> 3111
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (3113)...(2657)
 <223> similar to gi4699963 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5197

aggagaatga	agacatggta	caagatgcfg	tgcagcagaa	cccgggcgcc	ttcaggctag	60
ctcccgccct	gcctgcccgg	ccccaccgag	gcctgagcac	gttcccgggg	gccgagcact	120
gcctccgggc	ttcccccgaa	gaccacgct	tagcggtggc	ttcttcggtg	ctgtaattga	180
acgggtccaa	gttgccgacc	tcagcctcac	aggccaaagc	atcagcacca	gaacgcacac	240
ccagcccagc	cccgaaagag	aaagaagaga	gcaaaaagct	gcagccggtg	cttgcacacc	300
gccttgccaca	tagcagaggc	tccgggctca	ctccttcctg	gtggaaaagg	aagatgcctg	360
tcctctccgt	ggaggaccct	gggccctcac	cgcaggcagc	agtttgctgt	tttgaaaggt	420
tattgggtcc	cttcctcggg	ctgtgttctt	gctggtgagc	aaaagtgttg	cctgcagaaa	480
taaaatgcag	aacgtactct	acgatagatc	acagtttttt	attcttaatg	tcacaagcag	540
gagaaaaatc	tcacattcat	actaaaaatt	ccaactagac	tcaacaggaa	tgaagtctct	600
atgtgtaatg	gaaagtccca	gcctcccgt	gccgtccagt	gcgtgtactg	tacacatcca	660
cactcattct	cactcagggt	tcccggaccg	gctgtcctgc	ctgcggaaact	gaggtaaact	720
agctcaggta	ctgacactag	gagggtctac	cttacataag	gtacaggtag	aagcttgatt	780
gctaggccca	ggcccaccca	gaccctccaa	tcctaacagg	tatttaggct	tgaggttcac	840
tccctcctca	gctgcacacg	cagccaggta	ttaacgagga	tcagagctgt	tctgaggggt	900
gggaaggagc	agccccgcca	ccactcactc	accctcagtc	acatcgggga	gggggcacca	960
gttacattta	catcacatta	tttataaaat	aagaattaca	tttcatataa	catggccaga	1020
aggagctcta	gtcccccagg	aaagctgccg	gggacagcat	ttgagcctct	tctttgcaca	1080
ggcataactt	aactatacag	ctaattccta	gttaatagca	tttatactta	accacctcaa	1140
tgaaccaagc	ttgaagggaat	ttaaaaggca	athtagctta	aatacaaaaa	taaatttttg	1200
ttaaaaaacg	tttaaatatt	tttttctttt	aatttagaca	cacgcattca	tacttctccc	1260
aaagagggtg	ggcgtggcag	caaggcgctt	gggcctgggg	tatgtggttt	cagaaggacg	1320
gaaggaaagg	atgggctgca	gagggccctg	tttgggaaaa	ataggatttt	aaaaatatgg	1380
ttcatthaatt	taggttttct	aacatctact	ttgggtgatg	tagcctccag	tgaggtcagt	1440
taagtgggac	agaaacggca	gagggaagag	gtctttgctt	cccctgggcc	cattctccct	1500
ggctgccagc	ccttgaagtc	agaacaccat	gggaaaattc	aggagtccgc	actttagacc	1560
gtcaagtggg	gctactttcc	acattcaatt	agcgaggccc	cagaaaactt	gaaacaggaa	1620
gtccggcact	accaacatgc	cgccactcat	acaactcaac	tcttcctcca	aactcgattc	1680
aaagagcaat	acacagagcg	tcagacaaag	gaacacagga	caaggcttga	aacatacaat	1740
cctggagagg	cagacgaggg	cccaatgggg	ccaaagggtg	gctgggcgag	gaggcagctg	1800
aagcagcggg	gggcatcctg	cctgctccaa	gagcttctcc	cttcacccct	ggctctgcca	1860
ggctaacagt	cttgagccac	caagctctga	ggggccaaac	tggcagaggg	ttggagatga	1920
aacattgatt	caggcttggc	aggaagaaaa	cggcaggagc	agcaccact	ggggtctcca	1980
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gacacagcag	caagaaatgg	ggaaaacagag	tccccagaag	ggaccagagg	aagagaacca	2100
cttctcacag	ctaagccaag	caagataaag	ctttacggat	agcccatttc	ccaaatccca	2160
tcagggtgcac	accaccgatc	caggcgggct	ggaccctgcc	ccctccagcg	acgacgggtct	2220
cggggaaagg	tggaaagggc	gcctgcctaa	gggtgtgcta	agcgggagtc	agggcagcgg	2280
acactatgta	cagggtgtttc	cttagttctc	cagcctcccc	agtagaactg	ttcaagtaga	2340
ggtcccgggc	tttggccctc	cgcactcctg	ttcccccttc	ctgaggcttg	tgcttccctcc	2400
agaagggaaa	gggccccagg	gctgccactg	ccccctggcg	gctgaagcca	gagatccggg	2460
gtaggtttgc	tttacgcaac	tggaaaggtc	caaggctctt	cctagcaggt	gccaaggtcc	2520
agatttaggg	aaggggtggg	gggaacaggg	acaggggaca	aaggctactt	tttgcgggtg	2580

tgctgccttc	gggcctgcag	tcgctgtcga	gcccctgggg	tcttgatcc	cgaccaaatg	2640
gaaaaatgaaa	gggcccgcga	tccgaaaggt	gcaacaccaa	caaagccttg	ggcgggtgct	2700
gaggatgccc	caaaggagag	gctgctgcct	gatgtgccc	ctccaggcgc	aggggtgttc	2760
agaccaaagg	tgggggtggc	ggtgcctcca	aacacagggt	tgctctcagt	tgtgctgctc	2820
acgttgaaag	caaacgggtg	gctctggccg	gtggtgccc	gggcgttttg	acctaagccc	2880
cctgcgaagg	gggtggaggt	ggctgtgctc	ccactctgtc	ctgctccaaa	gctgaaagct	2940
ccggtggtgg	tgctggagcc	tgggggtggc	acattgatcc	caaagctccc	actgccagcg	3000
ggggctgccg	aacccccaaa	cgtgaagggt	gatggtgttg	tgctgccc	caccgagctg	3060
ctgctcccgc	tgctggcggt	atagggtggt	gctccaaaac	cggagctggt	g	3111

<210> 5198

<211> 2169

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2150)...(1754)

<223> similar to gil732423 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5198

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cccatccata	aaatagaacg	ggagtttcaa	aactgtacaa	gccacaaggc	tctgggctgg	120
taggaaagaa	gggtgggggc	gaggggtccc	gggtgtcggg	gggtgggaga	tgcagagaga	180
gctagagggt	cacccggcat	ctgtgaggac	ggctgggtca	aggccataag	ctgggatctg	240
tacaagggaa	acattcatca	gaatgtgacc	cacctgaaac	aggaggagg	aaaatcttta	300
aaaagtctta	caggtaaggt	cccctgcccc	cgaaaaaaaaa	aaccgtcaaa	ataataaggg	360
ggtaatgtac	atttctcacc	cagtcttggc	accaattttt	gtgctttaaa	aaatatactc	420
cactgtaaga	tttacttaaa	aaaagggtact	ctacagcagc	tgtttaaaac	ataattctta	480
cagacaaata	tatatatatg	tatgtatata	tattaaacat	tttaaacaaa	taaagtcac	540
tattgtacct	gtgcagaaat	gaaccaaagt	tagactctaa	gagagttaac	ttcaagctca	600
aagaaatggc	aaaggcggtg	gcaggtgctg	gggtacgcta	cgtggagggg	tgccaggga	660
tagggcaccc	ctctcttccg	gcagccgagc	tacccctctt	gaggctctga	gaggggttgg	720
gatgaactgg	ggctgttacc	ctgggtccag	agccccggct	gggggtgctga	gcagagaccc	780
gcgctggctt	ctgtgaggct	cgactctgct	cctggtcttc	cccatcccac	cctgcccctg	840
gcttctcggg	gaatggagac	ccactcgccc	tcccttctta	gttctggggg	tcctctggca	900
cacccagagc	ttctgaggat	gcccttggga	aatctcagct	agaaaagcaa	aagcaaaatc	960
aaaaccccac	atcaaaaagc	cccacagaag	actaaagaaa	tgcaaccctg	tgcaagggtg	1020
cctgagccca	agagtttagct	ggttacctgg	agacacaggg	gaattgctgc	agcccttcca	1080
gacggggccc	cgaagacacc	cagattgcac	gtgaggctat	ttctccctga	ggggcccgc	1140
agggaaactg	gagcagagcc	ccctggaaac	tgcaaggcaa	gggaccaga	gacatactg	1200
tgcttgggca	cgtgtgcaca	tgtgcccagg	gagggcgggc	gaggcataca	tatcccaggg	1260
agggcacagg	tgggaaggaaa	gtaacagaac	agccagagag	aggggactga	aacagggttt	1320
cctttctaga	tgggaataaat	aaatggcttt	tgttattgtt	aaaagaataa	atacagggtg	1380
cggggcaccg	gcagccagga	tgggtgctgg	gtgcttattt	gcctgcagac	agttcttggg	1440
ttctgccttg	gggtccatgg	tgagtttttg	acgtcctgag	ctttatctgt	gtcttttttc	1500
aaagaggggt	tgtatatgga	cggcatgcag	ggatgctgcc	ttccgctgat	gtcgggaagg	1560
gggaaagagg	agcctgtgtt	ggaatcgggt	cttgtcccat	ggaggcagcc	acggaggatg	1620
agggaaagacc	agggacctct	gtccatggct	acggatgccg	gtccaagggt	cagggtgcgg	1680

```

cggccccagc ggcaggcggc tcagtgaagt ggcaccaggt ggctgtcgcg ctggcggtat 1740
gatggcgaac gtcactggta gaggaggtag gccttgaggg aagccggcag cggcagcgtg 1800
tgatctccc ccaggcgctc cctccccagg gccaggcgca ccgagcgacg gcacaaatcc 1860
atgagcgga gcggtctcggg atcgagtccg ttcaagtagc gcattcggat ctacagtggt 1920
ccccagacgg cactcactac aggatacagt tttttgccct tgagtccccg aaaagccact 1980
cccatgtact gtccatccac aatgaagctc agagtcccgt cgtccatgtc cagggtacc 2040
aggaaggagt cagggacaat gaatgtctca tctggttcca gaaaggctgg gtatgttttg 2100
cttggctggt tcttgccatc gtggtagagc cggttgcgcc ccaactcgtg ccgaattcct 2160
gcaggcggg                                     2169

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<210> 5199
<211> 1322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1325)...(678)
<223> similar to gi517115 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 5199
tttttttttt ttgggtggtg aaggagtgga tttattggag cacaaggcag tgaagcagca 60
aaagtgaag tacattccac aggggtgggag tgggctagag caagtggctc aagagccctg 120
gtagcaaaat cttctggggc ttaagtacc tgtagagggt tcttgatggt tacaccctat 180
gtaaatgaaa gactgactca cagccaatta gagactgagg tgaattggct cacagccaat 240
ccaagactgg tgtggtttga ctcttatgc aaatgaatgt cctggaatga accaatcatt 300
ggccagagtg cagggtctggc ccatggccaa tcagaggctg atgtggtttg ataccttatg 360
caaatgaagg tcttggaatg gaccaatcac aggccagtgt tcagactctt cagtgccagg 420
gagtgtgtcc aagtcctcct tagatcccta tctctgtacc ctattctcct gcctcagtct 480
tgtgtgagat tttgcaccct ttgaccatca tcatcatctc cccattcccc caatctctcc 540
ctcaactact tctaaccact attcattaat ctcttgatt atttaggtgt aaggaagaac 600
agaaggatcc aagtgtgaga aagccaccc tgagtctctc agaggtgatt atgactgtgt 660
gagcatgggt gagacaaatc ctctgttggt gttgatggct acttgaagtg ctctcccat 720
tctttccatt gtagaatact tagggaggga gagaatatta tgacaagtta ttgatgttg 780
gtgatctctt tcaactgaaag tttcaggaca gcaaaatact atttccattt tctgtatgcc 840
tcttgcatgc agcctatcac gtctgttaag gaaaaagagg aattttttct tttcatccaa 900
ggttagtttg tggaaagcct tccaaaacaa ctgtatagta ggatgtgatt tttggtatcc 960
ttgctcatc tttgaattct gttcaaactg tttccagtca taatcagtat ttccaatgat 1020
tgctgtcatt agttcttcag ggtagaaatg tctaagtatc tcttctcac agactctata 1080
aaatcctctc tgaaattcct cataaactgc ttttacagag acgttgaaaa tgtaatcaat 1140
atacttagaa acatagtctc tcttggttggt ttggtccaca ggtatggaga tcccatttgg 1200
aatgaagtca acatcatttt ggtcccagtg tatagaaaag cgtatgcaga gcgcactctc 1260
aatgtcatca gcagcatcat ctagaacttc ttgcaaactc ttccccaacc gaggactgag 1320
tt                                     1322

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<210> 5200
 <211> 1736
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (942)...(352)
 <223> similar to gi212530 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5200

tttttttttt	ttcgaacctt	gtgggttttt	atgtgacggg	gcagatggag	tcagtacaca	60
ataaataaca	tgaatatagg	aactgcgccg	tatcgcggtt	ggcgggggtg	ggcaagacat	120
tggccagacc	tttagtctgc	agcaggacag	aaggacagcc	ggacccctga	tcttgggcaa	180
ctggcgaccc	gcggctggga	accggggcta	actcttccct	cagagttcca	cgcgcgcatc	240
gcggtaggcc	cgggtccagag	cccactcggt	ctgtgagtcg	gtgccccctt	ctcgggcaag	300
gcggggccatc	tctgttttgg	aacagccgct	tgcgcgctc	ggctgggggtc	cacattaatc	360
cagttgttgg	caatccactt	ggtgccgcgc	gtgaccaggc	agccccctg	cagcgagtag	420
ttgtctacgt	cacccaccca	accttgccca	tcaggcaggt	agttgtacca	gaagactgct	480
gtgccctgtt	ggggcttgac	acgcaggttt	cccttgtcac	agtgcctccg	tgtgtcacgg	540
aggtccacgt	catcctgaat	cagactcatt	tcatcgtagg	ttctgttatc	tgctacaggg	600
aaaacagtct	cgccccacc	agtgcagttg	ttcaaataaa	acagcactgt	catgtagcgg	660
caggaggtct	cgaagggtac	agactcggtg	gctaccagct	tggtatggga	gcagatggtc	720
tctgggtaca	caggccact	gtccacgtgg	gcatgtagt	ggccccctc	accatatcga	780
acaacctgca	gcggctcgct	gagctccacg	atctcaggcg	acaggcgagt	gaggcgagc	840
accctctggc	ggatggcacg	catgatgtgg	tgggcaccct	caccctggta	gagccaggta	900
tggtaggtgt	tccgcaccag	ctcactggac	tctgccttgt	ggctcctcat	gtacttgtgg	960
aagtcccga	ggtccatgtt	ggagaactcc	tgcagactca	gcactccgtc	accatcaggg	1020
tcagccttga	tcgcggcgta	catctcctga	atgctctctg	gagtcatcca	ccatccattt	1080
cccaggcgag	tctgggccag	aacctcacgg	agctgaaggt	gcccatacag	gttctgggtc	1140
agcagccgga	agaggtccag	ctggctgacc	tgcatagtgc	tcattgcctc	ttcatactct	1200
tcagtaggca	ggatctggct	gcgctgtaac	cccttcatct	gcgccagatg	gatgatgagc	1260
cgacactctt	catcagtcag	gaagccgggg	atttcgaaga	gcagcggtt	gaggctgagg	1320
gttcggatga	agtgatccct	gtcggtgacc	agctggacct	tacgtctgtg	ccccaccttg	1380
atgccctcca	gccgggtgag	gggacctaa	gtgggctcgg	gcccggggcc	ctgggcacgg	1440
tgttggggcc	cgggatcgct	gctttcgctg	ccgttgctgt	agtgcacgaa	gagcagcagc	1500
gccagcacgt	taccaggtga	caggtgcacg	aacaccatca	gcaccaggaa	gtaggcgcg	1560
gagcagatgc	cgcggggctt	gcacagcgga	cgcaccgggtg	cgctcctcgcc	gtcgccagc	1620
acggccgccg	cctgagcctg	gcagtggtct	ggcggcggcc	actgcggcct	cgaggcctcc	1680
tcgtcctccg	cgggtctcaga	ccggtgacct	gtcaccgcgg	ctgcgcgcat	ggcacc	1736

<210> 5201
 <211> 1203
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1206)...(1089)

<223> similar to gi2565048 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5201

tttttttttca	gctttttcaga	agtttttatta	taaagagatt	tgagagaagc	actggggcacc	60
aagacagaca	ctcgccagg	ccaggaaaca	gctgcaaagc	acgtcaagaa	cccaaaccaca	120
aacgaaaccc	caaaaccaca	cacacggtag	gataagctgt	aacttcgttc	tcaagggtttc	180
ttcataaata	gacaaaagtc	gtcgccggca	attttaaata	gatgaataca	tgattaaaag	240
gagagcagtg	ctccgggggtg	gctagcaagc	gtccgggtcct	tgctgtgagg	atgacgaaac	300
ggtttggcag	ccgcttttgt	gcgcgtctcc	cttaagataa	aacttaaaaa	tgtgctaagg	360
atcatataaa	atgcttttta	ccttaaagg	aaactacttt	tttccccccac	aaaatagtct	420
tacagatggg	ctttcagcac	aggttctaaa	acacgtagg	caactactta	cacggaaccc	480
acaggtttct	aggtttctgt	atcttttgtt	cacactggaa	aaccgatgg	gcacatctat	540
gccggggggc	gggcccctctg	gcccatggca	tctgggggtg	gtgtccgttg	gtaagcgacc	600
ccgccagggg	cggcccacct	gggctggggc	tggagctggg	gccgggtgtc	cagacatagg	660
gtaccgtgcg	cagggcgagg	acagggtcca	cagttaccct	ggagcaagca	ggtcagcggg	720
cggaagggttc	ctgcagggttc	tttgggctgg	tgggtggcag	tgggctgcct	ctgcagagtc	780
tgggtgggagg	ttgaggaaga	gactcagccc	ccgggcaatg	ggtgtgtcac	tgctctctcc	840
gatggggccac	cctgcctctg	gccagggcct	cttttctgct	gtcagccctt	caggctctga	900
gcagtgcctt	ccagcgagcc	tcagggatgg	tagggaggcg	ggattagggtg	aggtagagcg	960
atgtgtccct	ggggagcagg	ctgcagggtgc	tgatgccaca	ctccccactg	gggtagctgc	1020
tgtcccagtc	cccgtctgtg	gtgggggttg	atggggccagg	tgagcaggat	cccagagctgc	1080
tggggaactc	agagatgtgc	gggaagtcct	gcttctgttc	ctctcccagg	ctgtcccaca	1140
tggaggccac	gattttggac	acgtcaccga	aagtggcact	gggggttctga	cccttgatgg	1200
cgg						1203

<210> 5202

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(171)

<223> similar to gi3342738 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5202

aagaagatcc	tgtgccgcct	tttccggatc	tttgtccacg	tctatatcca	ccacttcgac	60
cggggtcattg	tgatgggtgc	agaggcccat	gtcaaacact	gctacaaaca	cttctattac	120
tttgtcacag	agatgaacct	catagaccgc	aaggagctag	agcctttgaa	agaaatgacg	180
agcaggatgt	gtcactaatg	ctccacctca	ccctttggaa	gaaaggaaaag	ctgtttcctc	240
ctgggtgccct	gagcggggcag	gagggtggacc	accctggctg	aaatgacaca	cctactccca	300
ggaacagcag	agggtggaggc	aagcagtgac	tcctgagaga	cattccccac	tcactttgtg	360
tgctcttaac	cttctgagtg	ctgctagccc	agacctgtgg	acgaggcaga	ccacaacgtg	420
aaagaaggac	cagccccttg	accgttctgg	ctggggaatt	gtccacgagg	aagcctctgc	480
acttccacac	atggcacagt	tctgcctgtg	acctgccgcc	taagctttac	tggaattcag	540

gttttgagac tgagatgcgt gttcga

566

<210> 5203
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(279)
<223> similar to gi3878325 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5203
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ggaacttccc cctggaaccc caggagctga ccacacccac attgctgctg tggggggaga 120
aggacactta cttggagctg gggctggtgg aagccatcgg cagccgcttt gtgccgggccc 180
gcttgaggagc ccacatcctg ccaggcatag ggcatgggat cccacagagc aacccccagg 240
agatgcacca gtacatgtgg gccttcttgc aagacctgct ggactagtgg tccttgctgg 300
cctgcccagg aggcattgat actcaggaag gaacacacac ccattatctg tgtgtgcctg 360
ggagtccata caatgtccat acatgggtga actcttgaat cgctcatagg catgggactc 420
ctggatccca cacaagcgca cctatgggtg cctcgg 456

<210> 5204
<211> 1257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(698)
<223> similar to gil228037 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5204
ctgcctggag gatgctgcgc cattctccta ccatagcacc ttcttgctgg ctgaccgcac 60
tgaggcgtgg gtgctggaga cagctgggag gctctgggct gcacagagga tccaggaggg 120
ggcccgaac atctccaacc agctgagcat tggcacggac atctcggccc aacaccgga 180
gctgcggact catgcccagg ccaagggtg gtgggatggg cagggtgcct ttgactttgc 240
tcagatcttc tcctgaccc agcagcctgt gcgcatggag gctgccaagg cccgcttcca 300
ggcagggcgg gagctgctgc ggcaacggca agggggcatc acggcagagg tgatgatggg 360
catctcaga gacaaggaga gtggtatctg tatggactcg ggaggctttc gcaccacggc 420
cagcatgggtg tctgtcctgc cccaggatcc cacgcagccc tgcgtgcact ttcttaccgc 480


```

cacgccagac ccatccaggt ctgtgttcaa acctttcatc ttcgggggtgg ggggtggccca 540
ggccccccag gtgctgtccc ccacttttgg agcacaagac cctgttcgga ccctgccccg 600
attccagact caggtagatc gtcggcatac cctctaccgt ggacaccagg cagccctggg 660
gctgatggag agagatcagg tatccccag ggagtagggg ctaccttgag gggatgatag 720
acctcccca ctcccagtg gactctggaa atatgaagga actagggagt ggaagagatt 780
tcagagctgg ggagaggagt tcctcccttc aaagccagca actgcctttg gggaatgtcg 840
gggggtatct cctttctcct gcttgtgtga gggggtacac agtccccct tcacctggcg 900
ggaagcctgt cccggacaga ctcatctcag ctttcccttg gggcaggatc gggggcagca 960
gctccagcag aaacagcagg atctggagca aaaaggcctc gaggccacac aggggctgct 1020
ggccggcgag tgggccccac ccctctggga gctgggcagc ctcttccagg ccttcgtgaa 1080
gagggagagc caggcttatg cgtaagcttc atagcttctg ctggcctggg gtggacccag 1140
gacccttggg gcctgggtgc cctgagtggg ggtaaagtgg agcaatccct tcacgtcct 1200
tggccatgtt ctgagcggcc agcttggcct ttgccttaat aaatgtgctt tattttc 1257

```

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<210> 5205
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(135)
<223> similar to gi5713131 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5205
tcgacccacg cgtccgcttc aaggtctggt gtccctggggg tctgtggggc cctgtggaca 60
agatggcatc cctggagtct acacctatat ttgcaagtat gtggactgga tccggatgat 120
catgaggaac aactgacctg tttcctccac ctccaccccc accccttaac ttgggtaccc 180
ctctggccct cagagcacca atatctcctc catcacttcc cctagctcca ctcttgttgg 240
cctgggaact tcttgaact ttaactcctg ccagcccttc taagaccac gagcggggtg 300
agagaagtgt gcaatagtct ggaataaata tccctccctg agactgaacc aaacaaaatc 360
cttgacaaac actgaaatta taaac 385

```

```

<210> 5206
<211> 2551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (251)...(738)
<223> similar to gi4680224 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5206
tttcgtggga aacttgggta tgaacctggg aagagggact tgaggcctca ctgggcattc 60
tctctgcacc tgtggcattg gagaagaaat cagaatttgc tctgtggggg taagggatga 120
aatgagtgcc cacctgcaca gtctaaggat ttaccatttt cagccggaag tggcctgcct 180
cttcaactgt gaacagtccc taaatttcca gccttgggtc cacaccaact ctctggattt 240
tctggccgca ggaattggat tcaagtacgt ggctctggga gacctcatca tcctcatcac 300
ttttggcccg ctggctgtga tgttcgccta cgccatccag gtgggggtccc tggccatctt 360
cccactggtc tatgccatcc cctcgcctc cagcaccgag gccattctcc attccaacaa 420
caccagggac atggagtccg accgggaggc tggatatcgt acgctggcca tcctcatcgg 480
ccccacgttc tcctacattc tctacaacac actgctcttc ctgcccctacc tggctctcag 540
catcctggcc acacactgca ccatcagcct ggcactcccc ctgcttacca ttcccatggc 600
cttctccctt gagagacagt ttcgaaagcca ggccttcaac aaactgcccc agaggactgc 660
caagctcaac ctctgtctgg gacttttcta tgtctttggc atcattctgg caccagcagg 720
cagtctgccc aaaattttaag gggacaagta gctcccccca cgacatgtct ccctttctta 780
gaatatatta aagtcagagt ctctgaggaa ggaatgtgat ttggcagtca gggactaag 840
catgggtggg aactcctgcc ttataaaaaat tgtttttgtg ttcttaaaga taatatgttg 900
tttttctgtt ttttgttttt tccattttat ggggaattta aaaaccattc ttgtatcata 960
aggtgaatta ggcgcatggg ctttgtttta ttaataattt ccactagagg gtgttctcag 1020
gtcactttgc ggtgaagtgg acttagttcc tccttgttct gtacaaaatg tctccagact 1080
ttgtaaagga gctgcccagt ttgggcctcc tgtcccgaag agaccctaata aactaggcag 1140
agtgttgtcc tgctttcttc gtctcgtagg atgtgctatg attggtgcca ggcctcacta 1200
acacaggggc tacctgtctc ttattctcag cacctgtgtc ctgagatacg ctgcctgaga 1260
cagagagagt cctcatttaa cagcctgtgt ggctgtcagc tttttgccta aattgtgatt 1320
cagatgcttt tgttctctct cctttcactt attgccacag ttgaggaaaa gtgtcagatt 1380
accctgcagc aagacaagcc aaggactggg agggaaaaaa aaaccactct ggaggcaact 1440
gagaaaatca ctgcttttgg ataggaatca gtagggtggc tgttttccct ttgttgaatc 1500
tactagagtg acaggaagga ctcccagccc tttcagtaac tatcaggagc cctgaaacgg 1560
tagaggcact gccatccttg tgggatactc aaagcccaca gggcttttcc ctccctattg 1620
catcttctga tgctccccac acccacctc cactctcca cctctgtggg gttcccattt 1680
gtgtgtttcc catctgtgga gccagactgt ttgagcaata gcttagcagc ggtcagggg 1740
cagctgccac tttccacaga gccacaggat gggcagagca gggaccagg gaatgaatag 1800
ccagtggaca aacagtcttg agctctgttc agccagagt atgggccctg ccagttaagg 1860
ggctgtgtct tcactcttga agacagatgt gcaatatgga ccctgcctct cccagggt 1920
ttgtggaaag atagttgagg gcttttagtg gatcacactc agagtggggc aattccagca 1980
tttatcctgg ctgcgtttca ttgcattgtc tgtgaagtat aatttctggg ccagaattgc 2040
tcagttgcat ttgatccagg actatagatt ggaaatgggt catcattgtt ttctgttgtg 2100
attatagcca ttctagtagg cgtttaagg catggcctgc agaaaatgat gtaagaacta 2160
gttcttaatc tttcagatca agctaatagat gatatggaac cttgagttcg aattgattgg 2220
tttacttgga aaaaaacatg tttgaaaatt gcaaaagtgc cgccggggcg ggtggctcat 2280
gcctgtaatc ccagcacttt gggaggccga gacgggcgga tcacgagggtc aggagatcga 2340
gaccatcttg gctaacacgg tgaaaccccc tttctactaa aaatacaaaa aattagccag 2400
gcgtgttggc gggcgccgtg agtcccagct acctgggcgg ctgaggcagg agcatggcgt 2460
gaaccagga ggcggagctt gcagtgaact gagatcatgc cactgcactc caacctgggg 2520
gacacagcaa gactccgtct caaaaaaaaaa a 2551

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```

<210> 5207
<211> 822
<212> DNA
<213> Homo sapiens

```

<220>

<221> misc_feature
 <222> (138)...(597)
 <223> similar to gi5281051 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5207

aaacggagct	tccacaaacc	agatagaggt	tctccagctt	ttctttgatt	gtctctgctt	60
tagcgtctct	aatccggtc	accatgtcgg	accccgagg	cgagaccttg	cgaagcacct	120
ttccctctta	tatggccgaa	ggcgagcggc	tctacctgtg	cggggaattt	tctaaagccg	180
cgcagagctt	cagcaacgct	ctttaccttc	aggatggaga	caagaactgc	ctgggtgctc	240
gctcaaagtg	cttcctgaag	atgggagact	tggagagatc	cctgaaggat	gctgaggctt	300
cgctccagag	tgacctcagct	ttctgtaagg	ggattttgca	aaaggctgag	acactgtaca	360
ccatgggaga	ctttgagttt	gccttggtat	tctatcatcg	aggctacaag	ctgaggcctg	420
atcggaatt	cagagttggc	attcagaaag	cccaggaagc	catcaacaac	tcagtgggaa	480
gtccttcttc	cattaagctg	gagaacaaag	gggacctctc	cttcttaagc	aagcaggctg	540
agaatataaa	agcccagcag	aagcctcagc	ccatgaaaca	cctcttacac	cccaccaagg	600
gagagcccaa	gtggaaggcc	tcgctcaaga	gtgagaagac	tgtccgccag	cttctggggg	660
agctctacgt	ggacaaagag	tatttgagga	agctcctatt	ggatgaagg	ttcggaact	720
ttgttggtac	ggggccttgg	gggaaaggaa	atctgggtgg	atgcttcatg	catgagctga	780
aggcagaacc	tgtcatataa	tattagctga	cgtgtacctg	tg		822

<210> 5208

<211> 1039

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1039)...(639)

<223> similar to gi4589520 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5208

tttttttttt	ttaaaaaaca	tgaaagcacg	gtttatttgc	tcctaagggt	tccctgtgtc	60
gtagctctgt	agtgcgttga	acgtgaccaa	agcaagcacc	ctgggttagc	accagttctc	120
cctgtggccg	gctgtgtggg	aggggtgggtg	gcacggctct	gagacccagt	ctggagggtc	180
tgtgtctgag	ggaagccgtg	cttctctgtg	tttccgactt	tgtctcagtc	tcttctgtct	240
ctgggaagct	catggcagga	tgtgttttgg	tttcaaagct	tcattgtgggt	tctctttttt	300
ttttctctct	ctgtctctct	tttcattttca	acggcgatga	tcctttcccg	agaagtatct	360
tcagtgtctt	agggaggtca	cagcaacaag	gcaaaacaat	aattaaagta	caacagaagg	420
tagtgcagtt	ctcgtctgtg	aagggaagcg	tccgcaggca	gctggcccg	gatgcctgca	480
cccaggtcga	ggctgaagga	cggggggtct	cgggtgtccc	gcagctctaa	ggctgtggct	540
gggggctggc	tcaggaagtc	atcttcaggg	tgatgtgggg	gatgcagggtg	gaatgcggtg	600
aggagaagag	gagggcgctg	ggctccgggc	ccctgtcaca	gagtggactc	caaagaggag	660
tccaagatgt	catcgtgatg	gctgttgctg	ttggagtcgc	tgtcatagct	ctgggggctg	720
gagtagttgg	ctgcctcctg	cagcctcatc	agcatgttca	tcagcgggtc	accttcagca	780
tcactggggg	gcactctgct	gcttgtcgat	ccctcccag	gcattggagta	gccgtcgaag	840

ccgacatcct	caggccgtaa	ctgcagcagg	ggaggccact	cgtgctgttg	tgggctggct	900
gcccattgat	atgtgtccat	caccacttg	gcaggatcct	cccagggggc	gcgccttcca	960
tagagctgga	gtccttctct	gacggcttcc	aggagatagg	ggataatgga	atagttccac	1020
aagtcggtga	accactctc					1039

<210> 5209
 <211> 2061
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (161)...(1451)
 <223> similar to gi289760 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5209						
ctcggaccca	cagagccggc	ccttgcctgt	gctcgggcag	ctgcaccacc	tgcaccgcgt	60
gccctggagc	cacgtccgcg	ggaagctgca	gccccgggtc	accgaggagc	tctggcaggc	120
tgccctgagc	acgctcaacc	ccaacccac	ggacagctgt	cccctctacc	tgaactacgc	180
caccgtggct	gccctgccct	gcagggtgag	ccggcacaac	agcccctcgg	ccgcccactt	240
catcacgcgg	ctggtgcgga	cctgcctgcc	gcccggagcg	catcgctgca	ttgtgatggt	300
ctgcgagcag	ccggaggctc	ttgcttccgc	ctgtgccctg	gcccgggcct	tcccgcctgt	360
cacccaccgc	tcagggtcct	ctcgggcctt	ggagaagaag	acggtcaccg	tggagttttt	420
cctggtggga	caagacaacg	ggccgggtgga	ggtgtccaca	ttgcagtgtc	tagcgaatgc	480
cacagacggc	gtgcggctag	cagcccgcac	cgtggacaca	ccctgcaatg	agatgaacac	540
cgacaccttc	ctcgaggaga	ttaacaaagt	tggaaaggag	ctggggatca	tcccaaccat	600
catccgggat	gaggaactga	agacgagagg	atcttgaggga	atctatgggg	ttggcaaagc	660
cgccctgcat	ccccagccc	tggccgtcct	cagccacacc	ccagatggag	ccacgcagac	720
catgcctgg	gtgggcaaag	gcacgtctca	tgacactgga	ggcctcagca	tcaaagggaa	780
gactaccatg	ccggggatga	agcgagactg	cggggggtgt	gcggccgtcc	tgggggcctt	840
cagagccgca	atcaagcagg	gtttcaaaga	caacctccac	gctgtgttct	gcttggctga	900
gaactcgggtg	gggcccgaatg	cgacaaggcc	agatgacatc	cacctgctgt	actcagggaa	960
gacggtggaa	atcaacaaca	cggatgccga	gggcaggctg	gtgctggcag	atggcgtgtc	1020
ctatgcttgc	aaggacctgg	gggcccacat	catcctggac	atggccaccc	tgaccggggc	1080
tcagggcatt	gccacaggga	agtaccacgc	cgcggtgtct	accaacagcg	ctgagtggga	1140
ggccgcctgt	gtgaaggcgg	gcaggaagtg	tggggacctg	gtgcaccgcg	tgggtctactg	1200
ccccgagctg	cacttcagcg	agttcacctc	agctgtggcg	gacatgaaga	actcagtggc	1260
ggaccgagac	aacagcccca	gctcctgtgc	tggcctcttc	atcgccctac	acatcggtct	1320
cgactggccc	ggagtctggg	tccacctgga	cattgctgca	ccggtgcatg	ctggtgagcg	1380
agccacaggc	ttcgggtgtg	ccctcctgct	ggcgctcttc	ggccgtgcct	ctgaggacct	1440
tctgctgaac	ctggtgtccc	cactgggctg	tgaggtggat	gtcgaggagg	gggacgtggg	1500
gagggactcc	aagagacgca	ggcttgtgtg	agcctcctgc	ctcgccctg	acaaacgggg	1560
atcttttacc	tacttttgca	ctgattaatt	ttaagcaatt	gaaagattgc	ccttcatatg	1620
ggttttggtt	tgtctttctg	gtcgtcagcg	tgggtgtgga	aacagctgaa	gttttaggag	1680
acagcttagg	gttttggtgcg	ggccacgggg	aggggaccgg	gaagcgctgg	ggcttgtttc	1740
tgtttgttac	ttacaggact	gagacatctt	ctgtaaactg	ctacccttgg	ggccttctgc	1800
acccgggggt	gaggcctcct	gcctgcctgg	tgccctgtcc	cagccccagg	tctgtgtcag	1860
ggcacctgcg	tggctgacag	ccaggctctt	actccagccg	gggctgccag	cgcatccagc	1920
cagcccagcc	ctgtgaaaga	tggagctgac	ttgctgcagg	ggacctgatt	tatagggcaa	1980

gagaagtcac actccggcct ctcagaattc acttgagggt caattaaata cagtcacacc 2040
gccccctcaa aaaaaaaaaa a 2061

<210> 5210
<211> 1156
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1157)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1156)...(429)
<223> similar to gi4567275 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5210
tttttttttt ttattagaaa tgacgttggt actaaaaagc cacacaatat cncatttaga 60
gaatatgctt aacaaaaatat acatcttaaa aattcagcac tccagaatgc tttttcaggt 120
gtttccattt gagaaataaa gaataaaaaat tggtaataat tatagacaca acttcataca 180
ataatctgga taatatgcaa gaagcatcat gttgactttc agatatttct ctttgtggct 240
aacgaaccac acatcaaagg atggaccaaa gttcagatgt acacagtcca gggcacctcc 300
aagcacagtg gcagtgccct tggggatttt ctttccctca gtgagagaca cgggggatgg 360
ggaggagccc aggagtgtca ccagaaagta cacaaccacag cttcttacct agcctgctgc 420
catcatcaac tatcaaacca tttgctcctc tttgcaagag gtgctccttt agaagggtccc 480
aataatttct gcttatattg ttcgaccagc tgggtgaagc gggtttccgt cttatttccc 540
ttagcttttt tcctagatac ctgctcggac gataattgct gcttctcctg cttccactgg 600
tttatctgtg gctttggctt tttgggatgg acgggcttca ctttgctttt gtcccgaac 660
ctgatttttg ggcctcggtg tgaggggagc gccaggacct ttcttctctt ctttccatca 720
ggcagctcca cctgctccac ttcagccttg gtctggaacc cgggccatga ggtagagccc 780
gcctttctct tctgctctgg gggcaccttg ctttggttct ctgtgtggtg ttgagctgcc 840
ttctgttgct ggtcttttgc aggtctctgg tgcccccttct gaggctcacc agttgcaggc 900
ttggatctca ttttttgcaa gctgcgctgg atccttaatt ccttcatttt aagttttctt 960
cgatcttcta aagagaactc cactattggt ctcttcagag gcccaaagat ttctggattg 1020
ttgttgatga ggcggagggc tttcagggca tgctcgtgct cttggaactc cgcaaaggcg 1080
tagcccaggg actgaccctt catgttgcca tgaactcctt tgaggtatcg catcactcta 1140
cactccttga tgcgca 1156

<210> 5211
<211> 1766
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1767)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (1)...(1098)
 <223> similar to gi5732946 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5211

atggacaggg	cggcgctcct	gggactggcc	cgcttggtgcg	cgctgtgggc	agccctgctc	60
gtgctgttcc	cctacggagc	ccaaggaaac	tggatgtggt	tgggcattgc	ctccttcggg	120
gttccagaga	agctgggctg	cgccaatttg	ccgctgaaca	gccgccagaa	ggagctgtgc	180
aagaggaaac	cgtacctgct	gccgagcatc	cgagaggcg	cccggctggg	cattcaggag	240
tgcgggagcc	agttcagaca	cgagagatgg	aactgcatga	tcaccgccgc	cgccactacc	300
gccccgatgg	gcgccagccc	cctctttggc	tacgagctga	gcagcggcac	caaagagaca	360
gcatttatatt	atgctgtgat	ggctgcaggc	ctggtgcatt	ctgtgaccag	gtcatgcagt	420
gcaggcaaca	tgacagagtg	ttcctgtgac	accaccttgc	agaacggcgg	ctcagcaagt	480
gaaggctggc	actggggggg	ctgctccgat	gatgtccagt	atggcatgtg	gttcagcaga	540
aagttcctag	atttccccc	cggaacacc	acgggcaaa	aaaacaaagt	actattagca	600
atgaacctac	ataacaatga	agctggaagg	caggctgtcg	ccaagttgat	gtcagtagac	660
tgccgctgcc	acggagtttc	cggtccctgt	gctgtgaaaa	catgctggaa	aacctgtgtc	720
tcttttgaaa	agattggcca	tttgttgaag	gataaatatg	aaaacagtat	ccagatatca	780
gacaaaacaa	agaggaaaat	gcgcaggaga	gaaaaagatc	agaggaaaat	accaatccat	840
aaggatgata	tgctctatgt	taataagtct	cccaactact	gtgtagaaga	taagaaactg	900
ggaatcccag	ggacacaagg	cagagaatgc	aaccgtacat	cagagggtgc	agatggctgc	960
aacctcctct	gctgtggccg	aggttacaac	acccatgtgg	tcaggcacgt	ggagagggtg	1020
gagtgtgaagt	tcatctggtg	ctgctatgtc	cgttgcagga	ggtgtgaaag	catgactgat	1080
gtccacactt	gcaagtaacc	actccatcca	gccttgggca	agatgcctca	gcaatataca	1140
atggcattgc	aaccagagag	gtgcccattc	ctgtgcagcg	ctagttaaagt	tgactcttgc	1200
agtggaatcc	ctagaacctt	ggacctgaga	gtttccctta	cctgatcgac	atattttcct	1260
ttatctgata	aacccatcaa	tcatgtggat	ttcttgggat	tctaagtgtg	aaaaggttta	1320
tattcacctt	ttgatgattt	ggggaatata	tattgacata	caaggaagat	aatctgtttc	1380
ctaagcaaga	aataacagga	aagatccctt	atgccaggag	gcctgccata	ctcaggataa	1440
gatccttgaa	tatggaactt	agttacagga	ctcantaatg	gtgggtgaac	attagtcatt	1500
tttaaaagac	acctcttata	gcaataagga	gacattaaca	tgaatctcat	ttattctctc	1560
agtatttttaa	cttgagaaaa	tatactgttt	gttgtggata	gaagatgttg	aaaagtaaca	1620
taagccatgg	tgctgactac	cctttatgtc	tttcaaagaa	ggtaatcana	aagatcttct	1680
agtgaatata	tccctaaaaa	agatcatacg	atgttatgac	aagatcatat	taaaagggtat	1740
gaagattaaa	ttaaggcttt	cctgaa				1766

<210> 5212
 <211> 1136
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (29)...(175)

<223> similar to gi2887409 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5212

gaattcccgg	gtcagagcttg	agcccggccga	ctgcggccag	gacaccgccg	gcgcgcctcc	60
cggccgccgc	gagatccgcg	ccgccatgca	gtttggcgac	accgaaatta	aggtcaccgc	120
cgtcgacgtc	agcaccaatc	gctccgtgcg	cgcgtccatc	gactttcttt	ccaactgagg	180
gcgcgccggc	gcggtgccag	cgcggtctgc	ccggccccgc	cctctttcgg	ttcaggggcc	240
tgcgagagcg	gttggggcgg	gggaaacgat	agttctgcag	tctgcgcctt	tccacgcctt	300
ccagccccgc	gggagataag	gtcatgggag	agtgggtggg	gacacacca	gagactggct	360
ttgggattgg	gcactgggtcc	gctgactgcc	aggctgaagg	gacccgcca	ggactgaacg	420
ggtaagagaa	gaggtttgca	agacagagcg	cgcagcccgg	caaggggcat	gtgacccga	480
aggaagaacg	caacagaaga	gtcctggtct	gaacttggtc	gagtaggggt	gggggtggga	540
tggcaggagg	agccgcagga	ggaaggaggt	tgtgcagggt	ctggacctgc	agggctgaag	600
ttcactcatc	gaccgactca	gcccccaacc	ggagccaggc	agaaaaacc	tgtgccgtag	660
gaaagtgact	ggaagtggac	tccagaggga	caggtgtggt	ggcacagtcc	tgggtgtggt	720
ctgaccaccc	aaatatgact	gtgaattgtg	gaaagggcag	tagatctcta	atgtggaggt	780
gggaacatta	ttgtggtgga	ggcaattatg	agggtagcat	ttctttcgag	acaaaacacc	840
cgtctgggaa	ggcccccaag	tcagcttatg	aaggaccca	cttgacccc	acccagcca	900
tggaagagca	gctggagggt	ggatggggag	gccagaggga	gcaatgaggg	gtggtcccag	960
ctctgctatt	gactcggtat	gccttttagga	cattctctta	ccgctcatgg	gcctcagttt	1020
cctaaagtgt	gaaatgtcag	gcacttccct	ctaactggca	tgcaacagcc	ccacctgcct	1080
gagagccctg	aggtgacaat	aaaacattta	tgctcaaggg	gagaatacaa	aaaaaa	1136

<210> 5213

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1017)...(485)

<223> similar to gi5824476 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5213

tttttttttt	ttaattaaaa	aatgttttat	ttatacaa	at	ggacaatcag	aggccagtcc	60
ccgctccttg	ccttcgggct	ccagtgtggt	gtaccagggtg	gccactgcct	gctgtcccgg	120	
caagcacgtc	ctcacgtcga	gctctggccc	gcctcgtcgt	cactgtcctc	aatcagacag	180	
tcccggtatc	cctgcaagcc	ccaggccctc	tgtgtgcgga	cgtgggcctc	agccaggatg	240	
tacggcgga	gggggtccag	tgagggtcac	caagtccctc	atgttcacgc	ggcagctgta	300	
gcacagctgc	tcctcaatgc	aggctttggg	gtcctccctc	ctgcaggccc	cctggccgca	360	
gcgctggggc	cagcccaccc	ctggagaaca	gcaggggccc	gggggtgtcc	gggtctcagt	420	
caggggggatg	ggtgactgca	tctgggagag	acgcgaggag	gtctgagccc	caaaagccgt	480	
ggcactgtca	gcggcgtcga	cgtccagggc	acacatgcag	aggaggcagc	gggggccgga	540	
gtcgccagca	gcagggccat	cccgggggcc	cttcaccagc	ttctcacttg	tcctgtacac	600	

```

agtgctgaca gtggagggga actgggtctg cagcctgagg atgaaggcct ccatcagccg 660
gtggatgctg gccttttcag gggccttggt gtcgacggct ggtgtgaaga cagaaggaaac 720
ggagaacagg cggttgtaga aagcgacctc cttcagggtg tgggtcccga tggggccgcac 780
caccaccacg tccccgtgcc gctcatccga gaagcccgtg tcccaggcca ggaaggcccc 840
tcgacccagc gccaggttgg tcatgagctt gatagccaag cgtgtgcagc tgtccccagt 900
catgaccttg gagtagccgt gggctcgggc cacgtggagg atcagggtggg tccgcagggt 960
ctgcagaagc tcctccttgg cagtcagtgt cctcactgag cagaacagtt gggaaagagc 1020
ctcagtctgg gcaggggcag gcggtctt 1048

```

<210> 5214
 <211> 1053
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (637)...(919)
 <223> similar to gil002786 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5214
aaacaatata cctgtcagtt tccatcaact atagcaatcc atgcagaaga caagaggccc 60
cctcaaagca ggagggggtat tgttttaggt ccaatttttc ttattgttct caaaatcatt 120
ataagggtgga cagtgttttg tgaagatttt cttttcccca gctctaagaa accatgtgga 180
aagaattcat tgataactgt tttgattttt ttcttttttt aagtacagg tttgctaagt 240
aatcacccctt agtgagcctg tgtagtctag ctgcctgtga gatgtttggt gaccagctca 300
gtgtattctt gtattcttga tagagaatat ttcaggagac aaaagtgtct cttcagacca 360
gacctcaaat aacaatttta ttctttttta taaataagac ctcagtaggc ggacctgata 420
acagtgacaa tgaaaggaaa atagtggcaa aatgtgagtt tccagcatga tgtttctcat 480
tttattttct tctgtatgaa tcaaaagaat gctttacaaa accatgttcc cttaatcaca 540
gtgttctctg gcttttatag gattgtcata gccaggacca cactattgct ttttcataac 600
attttctttt tgtttctttc ttttgaattt cttacagggc tgcaaagtat gccaggggag 660
tatgtagccc ggggtggtcc aatgggtgtg agtatgggac agccaagtta taccacaacc 720
cagatgcccc cccatcctgc tcagctgcgt catgggcccc ccatgcatac gtacattcct 780
ggacaccctc accaccaaac agtgatgatg catggaggac cgccccaccc tggaatgcca 840
atgtcagcat caagccccac agttcttaac acaggagacc caacaatgag tggacaagtc 900
atggacattc atgctcagta gcttaaggga atatgcattg tctgcaatgg tgactgattt 960
caatcatggt tttttctgca atgactgtgg agttccattc ttggcatcta ctctggacca 1020
aggagcatcc ctaattcttc atagggacct tta 1053

```

<210> 5215
 <211> 2210
 <212> DNA
 <213> Homo sapiens

<220>


```

<221> misc_feature
<222> (1)...(2211)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2212)...(1523)
<223> similar to gi407419 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5215

```

tttttttttt ttctttaaaag aaaacaagtt ttattttttat catcagaaca ttctaataaaa      60
aatattatga tgagattagc tacctttatt ctctgagcct tgactctgtc acaggcctgc      120
cctggngcgc cctgcacgct cagctccctg aggtaggtcc ggaggggggg agaccccccc      180
gctgcccccc gcccctnggg cagggatacc ctttaccttt aatggtcccc tccttccaga      240
cccccaacag cccttgggat gccccattag cagccctgcc acgggttggg aagaaactgg      300
cctccaccct ccaccaaccc ccaagacagg caaggaaacc gtctcagggc tgggcacaac      360
agcagggtgg gcgggggtag aggggaagagg cgcacccttc tgcactcaac cgctccagcg      420
ggcagagctg agggccactg ccccccccag gctggcacca ccatggtcta gaccccaagt      480
ggcctgaatg ctgtggatca ctctcttctc cccttccaca gtgtttgggg agttggggag      540
gaagggaagg gagaggagtg tcaacgtcgc agtgacgggg tcctgagaca actcactctg      600
ccaccccggc aggcggcagc agacagtggc ccgcacgggc ctgagggggc tcctgtctgt      660
ggtgcccac ccaccgagag gatcctggcc cgcgagccgg cagacacttt attatacaga      720
aacactatcg tcgtctccac gggcggaaac aacaaaagca agtctctcca agtcaaaaat      780
aggttttgga ttcttgggtg cggcagtatc cgctgaaaaa atagactgaa cttctgaaat      840
tatcttagta gcaaaacaat tacaagaaaa aagttgcaac ttcagtgcta tgactggaaa      900
ggggcctttg gccggcggcc cctgttaccg gcggcccttg tgcgcctggg agtcctccg      960
ggcttgagga agccgcccac gtgccctgat ggagaaaatg ggactccaac aggaggccgt     1020
gtcctcacac ctccagactg gctcacagct cgggagggatc aagttacaat aaacagtcca     1080
ttaacttctt gctttcaggt ttccctggag tcaggcatct ctgcacagtc cagggcagcc     1140
aggggctgca gagggctctg gacaccccg cccgatgcag cagtggggac acaagcctga     1200
gggaacctgg agtggtggaga ggcaggagaa ggtgcaagga gaggctgcca tgggtgtgcaa     1260
ggaacctggg attgcgtctt taaatagttc tcagtcattc ttaaagtcct ccctcaagac     1320
acaatgggac ctagattaaa gagaagccgt ctctccgctg tcccagggcg caggcggaat     1380
gcccagagcg tcttcggagg cacgggtgct ggtggcacct cactgaagct cagccgggct     1440
gtcgccagcc catcatggcc tggcagctct gtctgctgtg aaggtgacaa tgccacagtc     1500
ctcggggagc gaacgcccct cactgcatcc tgtcaggctg cagctgcggc gcctggtact     1560
gcacgaaagt ggtgcccgcg ggtgctgcgg ctgagagggc ctggggcacg gcggcagggg     1620
agctgtagcc cacgaagctg gcagccgtgg caggcgaggc ggcgatatgg tactggtcat     1680
aggtggccgg tgggtactgg gcgtagggcg ggctggccgg cgtgtactca atgtagggcg     1740
aggacagcga cgggacaggg gcggctggga tcaccacgct gggctgcacg atggctggtg     1800
ggtagatgta gtgcggggtc agcccgtaa tccgctggat caaggtgggg tgcagctgct     1860
gcaccccaat ggcaaagccc gtctggaggc tccgcggctt ggcgcccaga tatgccaggt     1920
tcacgttggc cttgcggccg tcgatgatgg ggttcgggtc tttgcaagcc ctctcagctg     1980
ccgcccggtc ggcctcctcg acgaagccgt agccgcggga cttgcccgtc tggcggctcg     2040
tgatgaccac ggccctcctg atgtgcggga agccctcgaa gtacttctg agcgaggcgt     2100
cggtagtgtg gtacggcagg ccgcccacga agatcttggg gaacgtgggt cccttctgcg     2160
agccgtacat gacgcccggg gcggccaggg gccgcgagaa acccgcgctc     2210

```

<210> 5216

<211> 1909
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1910)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1909)...(1473)
 <223> similar to gil668766 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5216

agttcctaaa	ttgggggaaa	catagtgaat	tccacataat	gttttaaatt	attcagccac	60
taaaaataaa	tttaccatag	atttcattaa	tatattcact	atctaaacca	tattttttac	120
actacgtaaa	atacattgta	tatgtacagt	gagtgatgct	ttttgcttta	gttctcattt	180
ttcacattaa	ggggaggaaa	gctaccata	gatagtattc	ttactccttt	tcacatgctt	240
caaggacagt	ttgcaagtgg	atataaatac	atacacatca	ctagtgatta	tgcttttatg	300
ttattttcaa	cttcttatag	gtaacataat	tttcagacaa	tgtttagctgg	ttttaaaccc	360
aatcagtaaa	ctggcattaa	aggattctta	ataaaccaaa	cactgaaggc	ctctttcata	420
tttgtatcat	ctgcattttt	ttttatatgc	ttgtcatgtg	gctttacttt	cagcctcact	480
cttttcttct	tcctaatgga	ttatccttaa	accttttacc	tttaaagagc	ctgagattta	540
tattttaactc	gaacaacagt	ttgcctctgt	tgccccctgtg	ttcatgtttt	cctaagccag	600
agtttccac	gcctcctggt	cctggcagcc	caagtgcctt	cgctgggcta	ctcccacctg	660
goccttgctt	ttcattcctt	agggcagtca	cttagcacct	tccaaagtgc	ctgcacatgt	720
ttcttatttc	atttctttaa	cattcatatt	accactattt	agattgaagg	aacagaattg	780
gtttgggctt	gaagagaata	caaagagatc	tgtcttcaat	tatctgatag	tagtaaagtt	840
tcacgggaga	aagaaagatt	tcggttccac	ataaggaaaa	acttggaag	ttttgaatgg	900
aaagttcata	gagagattca	gtaaccacct	gtcaggaatt	ttgtaaagac	gtctacggcc	960
atatcacctt	gaacgcgctt	gatctcatct	gatctcgga	gctaagcagg	gtcgggcttg	1020
gttagtactt	ggatgggaga	aattttataa	agaacacatg	aacactagct	ggcctatgtg	1080
gcctttaaaa	tctcttccaa	tcttgagatt	cccacaactc	tggtataaaa	ggggcaaaag	1140
tatttagacat	ttcactccca	ttaatatgag	ggaagtaaat	gacattgagg	tccaatttgt	1200
ctgtagtcca	gaattagtc	aatacagacc	cttagacca	ctagggaaca	aaaagcaagc	1260
atttcaagtt	acctataagc	ctgggctcat	cagaatatag	aaacagccat	gtgctagctg	1320
aaagccattc	aatgaggctt	tctattaatt	tcctttaaaa	gcaatgggta	ttattgaaac	1380
tcctaaatgc	taaaatctga	aggaccatc	cttatatata	agttctgatc	atactgaaac	1440
agtcatttag	caacattgct	ctgatgtcca	ggaccctgg	ctgtaatgaa	agcaatgaag	1500
ggaggggctg	gcagggcact	actgggggtg	tataggggac	actgcttata	ttcacaaggc	1560
cacgtggtcc	aagcatagcg	gagagcaacc	acagtgccat	gacaagaatc	gacgcgcagg	1620
gtcagggact	gggtggagac	ggtgttcata	gaagctggaa	gccacttgca	tcgatgggtca	1680
ctgcaacagg	agatctcaaa	tatcttggtg	tcctttttct	gcacctggat	ttgctggtaa	1740
tatgtgagat	tgagcagccc	cttgtgagcc	aagagttcta	tcttctcagg	cagtggctct	1800
tcaaaggtea	aattcttctc	accataagcc	agagcacggg	cccccaaatg	cagccgataa	1860
gccacagtct	gtttatctcg	gcccggtaat	tccaaccggg	ntgacgtca		1909

<210> 5217

<211> 1462
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1463)...(1171)
 <223> similar to gil872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5217

tgagggccccc	tgtcaaggcc	cccaccctcc	tttttctgtg	tttagtgagg	gtgtctgatg	60
cataactgag	cctcagttgg	gaggggctga	ggggatcggg	aacacttcca	aggggaagca	120
gctggggtga	gagccccaag	gtggagagaa	cttggcaagg	ttgaagagga	atgggtgggca	180
ggggaggagg	aagagtaaaa	gaagaggcag	ttagggctgc	ccgggtcagt	ctgggaactt	240
tggcttcctc	ttcaggtcac	taggagccat	cagagggtta	agccagcaga	gacagcttcc	300
tgtttttaag	acgttgggtc	ggctgctgtg	ccgggagcaa	gagagaaaga	gacttggggg	360
agttcagaag	aggtgacggg	ggtggaggaa	agtggatgga	tatggggtct	ctttcagagg	420
tagaacagtg	gggtctcttt	cagaggtaga	acagtgggac	cttctgacca	ctggcaggta	480
gagggtaagg	gagaggggaa	ttgggttgcc	tgctagtttt	tgctttaact	aactgggtag	540
atgctgatgt	cattcactga	ggaggaagag	ggcagggtga	gggtaggtag	aaattcacag	600
ttttggtttg	gttgtagttt	gggatccctg	tggacaagaa	aagtttccat	gggtatatata	660
tgaatgcctt	ctgaatcaag	ggttttaaata	acatcctctg	atttattctc	cccaaagacc	720
actagatgcc	gctgtttaca	cgggagcaat	tatgcagtac	aagactcctt	tcctgaggag	780
agggcacgga	tgccggagag	ggtactgatg	ccggagaagg	cactgatgcc	tgacagggga	840
acccacagag	aggggagccc	ctgcctttga	gggggttact	ctttactggg	agacatcacc	900
cttcagtgtg	gtcttcagac	acatgtgata	gcagtgtgac	ttcatatggg	atagaaagct	960
agggactagg	tagtgtttga	gctgggtcct	caggggttga	aggcatttca	ggtgggggca	1020
ggacgctcca	agcagaagga	acagccgggc	aacagagcgc	atctccctgc	ttatggggta	1080
gatggtacag	tgaagagggt	attggcatag	gggggttgac	ttttcagtgt	ttctcaacaa	1140
aggcacagtt	agccttttaa	agaaggacgg	tttttggtcg	ggtacgggtg	ctcatgcctg	1200
taatcccagc	actttgggag	gccgaagagg	gcagatcagc	tgaggtcagg	agttcgagac	1260
cagcctgacc	aacatggaga	aaccctgtct	ctactaaaaa	tacaaaatta	cccggccatg	1320
gtggcacatg	cctgtaatcc	cagctactcg	ggaggctgag	gcaggagact	cgcttagacc	1380
caggaggcgg	aggttgtggt	gcgctgagat	cacaccattg	cattccagcc	tgggcaacaa	1440
gagcaaaact	ctgtctcaaa	aa				1462

<210> 5218
 <211> 1689
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1690)...(667)
 <223> similar to gi4336692 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	5218					
tttttttttt	aggcagaagg	agtcagagag	gttgctttaa	atagctcagt	tactattgtt	60
tatgttgata	aagggctctgt	taatgtattg	ccaaaagaga	accaggaaaa	gaggtccagt	120
tttgggaagc	acttgctttaa	cttgtacccc	gctcactctc	aactgagggt	cctgtgatga	180
gcacagtggg	cacacacccc	atccccaacc	tgtccacggg	tccctggggc	atgggtgggg	240
tgggagtgc	actgctatga	ggggaacgtg	gagagctggg	ggctcactca	tggtgagagg	300
ctcaagggcg	gcagtggctc	tgcagcaaag	ttggcagctg	gagcagcgtg	tggggcccg	360
gaaggaactg	ggaaggagca	gacaggggtg	ggctggggga	actgccaaag	atcccagacc	420
aagccactgc	gaaactgaga	aggggtgctt	ccacatggga	gccacttcgt	ttggctaagc	480
attgggtctg	ggttcaggag	ccacgatgct	gccccgggta	ccccccctgc	caccgtggca	540
ggtgtggcac	agacacaggc	ctctgccaac	agggcagctg	ggcacgctgg	gcactcaggt	600
tgctttctcc	ttcccgtctt	ccattgggtc	ctccttcagg	ttctcgggtc	cgagcttcat	660
ttgtctgtgc	ttgagtgcct	ccaaagactc	aaattccagt	ctggctagtt	tcactctggt	720
atgccgtggc	ttatcaggta	tggcaaatgc	aagtataaac	tttaaaggcca	ggagtcgctg	780
ctccactgct	actacaatca	aaatgaggtc	tgcttttgat	tctggaagca	ctgctttcac	840
ttgtggtgac	attccaatca	gcgcacagtt	agtgaccaca	gatataaac	tcatactttc	900
aaaagccaac	tgccacacac	caatatgggc	tgaaggttct	gagaatggac	gtttgaagac	960
cctgcacatt	tttaaggcat	ctgaatttac	ttcagtgaag	ttattttaaca	cagcaaaggc	1020
agctgcta	gggtaaacac	aggagaaaag	gctcacataa	ccaaactgca	ggaataactc	1080
caagtaatca	tcaaaggtgc	ccaaataagt	tcccatttct	ttttccagga	tgacttggtc	1140
atataatgta	gcatcaatgt	ctgcctttaa	agcctgcacc	ttcctcttca	cctgcacacc	1200
atgcttcctt	tggagccaat	aaggaagaaa	agattccata	atttggttga	ggatctggga	1260
ggtaattagg	agagtggcca	agctctggcg	caaaagcttc	atatctttca	agacaaaggc	1320
aatatagaag	agtgaggcaa	agcaattgag	gaagttgaac	actaaaactt	tcagaattag	1380
atggttctga	taggcagatt	ccaatctgtg	attctcccat	gaagttaaaa	actcggcagc	1440
atatcgatag	agacgattca	tgatctcaat	cacaatggca	tagatgatgc	tgggcacata	1500
caacagaca	ctggctcact	cagaccgcgt	gttctcatgt	agaccaaggt	cccaaaccctc	1560
catgtcgaag	taaattcatca	tgacatacag	tgagaaatag	aggcagaggc	acacgaatgg	1620
caggagagacc	aggtaaattgc	gcaactgtct	cttgtagctg	gggtacagag	gtcctctcctt	1680
cccagtgat						1689

```
<210> 5219
<211> 458
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (44)...(142)
<223> similar to gi4235143 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5219					
gagaatccca	gcaagaatca	cattactttt	ttctaataaa	acaggtctta	ctgtttctaa	60
gccagaactg	attagccgtc	tggagcaaag	acaggagccc	tggaatgtga	agagacatga	120
gaccatagcc	aaacccccag	gtaggttgga	tgaatgaaac	acatgccaca	ggtgaaagct	180
ccaaaggcca	agaaggaaga	cagacttcaa	gagttatttg	agaagctctg	ctccaatgga	240
gatgattttt	gaggaacgtg	attgtttatt	cttgctcttg	tacagaggca	tcttctgtct	300
aatgctccta	aattctctaa	aaagtaacct	tactttgagg	ttatagtga	agccaaagtc	360

```
ctcttcatgg cttataagag actttattat ctgactgccc tttcattgtc ttggggcaca 420
cagaaatata tgtgtatttt tgagggaactc tatgttaa 458
```

```
<210> 5220
<211> 689
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2)...(436)
<223> similar to gi4406663 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5220
gggctataacc ccaggtgaat caattcagat atttgctgag attgagaact gctcttcccg 60
aatggtggtg ccaaaggcag ccatttacca aacacaggcc ttctatgcca aagggaaaat 120
gaaggaagta aaacagcttg tggctaactt gcgtggggaa tccttatcat ctggaaagac 180
agagacgtgg aatggcaagt tgctgaaaat tccaccagtt tctccctcta tcctcgactg 240
tagtataatc cgcgtggaat attcactaat ggtatatgtg gatattcctg gagctatgga 300
tttatttctt aatttgccac ttgtcatcgg taccattcct ctacatccat ttggtagcag 360
aacctcaagt gtaagcagtc agtgtagcat gaatatgaac tggctcagtt tatcacttcc 420
tgaaagacct gaaggtaatt tgataatata cgtctaagct taatctctta ctactattat 480
caagaaaatt attttgccctc tgatatttta tgaccctaga tgaacataat cttttcctaa 540
agaaagtaga tgtgccccta atattcagtt ttgattatat gtcttcatag tttcgatcac 600
caaacaataa ttattttacc ttgacgttgc tttttaatac ctactattct gtgtattttg 660
acatgcataa gaacatgctg ttcgaattg 689
```

```
<210> 5221
<211> 2948
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2908)...(2246)
<223> similar to gi5457690 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5221
tttttttttt ttgtgaaaat tttatttttc tttttattgc aaatttctgg taaaggaaag 60
aacatggaag ctgattctca tttgagcttt ggtgagaaga gaactgcact gtggctcgac 120
agctcaccac ctcggctgca cacccaaaca cgcggaggcc tcgggcacgc actgatgcct 180
```

gcgacccacc	tcccagaggt	tctgacttaa	tcggtctggg	aggcacagcg	gggcatcagt	240
agatttccca	actcctctgg	atgatttcaa	catgtagcca	aggtgagcac	acctgcggtg	300
gctcatctca	aggggctggc	aatgtcagaa	gcacctgaga	agctcagctg	acagccaagt	360
gtcacctgct	tacatcactc	cttggccaga	gtccagctgg	tgttccccgc	ctccctcttc	420
ccagggtgtcg	atgtttctgat	tcctttctcct	caaagacccc	acaagacaga	gatgctggag	480
gggggtgtggc	ttcctgtgct	gtgggtttgtg	cttaaactgtg	gagaaccaca	tgaaccacgt	540
gtacgctacc	acaaaagaaa	ttcacttttct	gattgcaaaa	cagcattcgc	ctctttttat	600
ttgttaagtg	gaaacttgtg	gcaaaataag	aaaacatgtg	ttggataata	tagtccctat	660
ataacctctc	atgtccaaat	ttgaaaaaaa	aaattgtcaa	gccattgaca	gcaaaatatg	720
tacttttagca	gcataatttta	tatgggtaaa	cagtaatagc	cagtttagaca	cttcattttgt	780
gatttgtcct	aaaaatagaa	aatgcttttt	attttcctga	gtccttggca	aacaaaaaac	840
atttttttct	ttttaattgt	taaagtctct	gtttttcttt	ttcctgggac	accctcacag	900
ttcagaacgt	tgtgtctcac	tgtcagtttt	tacatacaga	gatgaacaaa	cagcactggg	960
gccaattttc	aatgactgat	caaatatggc	gattgaaaat	aaaacaccca	tcactctacaa	1020
agttgtctcaa	gatgaaagtt	tcttacagtg	ctataaatgc	aatatcaatt	tgaattgttg	1080
tccatacaaaa	agtatgaatt	tctattccat	tagtaatact	gaatgattaa	taccttaaca	1140
gcgataaaat	ttttagaaca	tttaaaaaat	acagaggatt	ccagttttac	atcatacttc	1200
tgacggatta	tcatactttc	tattttgtct	gcaaaacttt	tacagagtac	agtgcattga	1260
catgataaaa	ccaaggcaca	aaaatacagt	tacgataagt	gtatataaac	cctagcactt	1320
tgtgccaatt	ttggaaacag	atcataaagt	ctgaaaaatt	accacattct	atttgattag	1380
tgaacaatta	attgtgcagt	aaatagactg	ttaaccacca	ttccattatt	aaatatatgg	1440
ctatcactat	acaggtttgtg	gataattcaa	aaatagtttt	aaatattaaa	acctgtaata	1500
tctaggtggt	caacgcagat	attgagcctt	acgttatcta	aataagtttc	catttaattt	1560
gcaatccaca	tggcagtttag	caattttttaa	actattttcca	ttacataaat	ggtgggggtt	1620
atttctaaatg	ttaaatcctt	ttccctttaca	aaagacagaa	gattttacaag	aagataacca	1680
atataagaag	tgcatagaca	acgataataa	aatccaaatt	ggactcaaag	gttgaagtct	1740
aatctactgg	gacattctct	taattttagg	tgaggagcaa	cacattcctg	tgatgattca	1800
ttagtttctt	aattaaaaaa	aaatcccat	gacatttttc	aaaatagtaa	acagtcttca	1860
ttagtgcate	aagcattgaa	gaaaaattgt	cgtctttcca	ttcgtaaaaat	gaagaagata	1920
aaagcctttc	aaaatccagg	gcgggggatt	tccattgaat	ttagagaagt	gaaataaact	1980
ggtaaaaaact	gtatttcata	cttttaacaa	aagagtattt	tcaagactca	aggtaaacat	2040
ttagacccat	aaaaacacat	ttcttggcac	atgcacgcca	tggatggaac	aatcctgaat	2100
gcagcgatgg	cctggctaca	gagggtatccg	gctcctagcc	ccactggcaa	aactgtcttt	2160
taggaccttg	tcccagctcc	cttcacatgg	gggtctctgg	cttctgcate	agctggattt	2220
gcttctgtag	ctgggtccctg	tccagcttca	tcttggcttc	gagaacttgc	ctgagggatc	2280
ctatgctttc	atagacggct	gtaaacccag	cattaaacttc	tgctttcatt	tccttgatgt	2340
tctggttcat	ctgtaactcc	agcttgggtga	ttcgccctgtg	catcttctcc	tcttcttgcc	2400
ttgttctctg	accatcaaaa	gtcttctttt	gaccctcttc	tattttgtca	agcctggctg	2460
acatctggct	gagcttcttc	tccatatccc	tttactggc	tccactgttt	tccttaacaa	2520
tcaaggaaaag	ctgatcaatt	ttctgtaaaa	gctctttttc	tatccgttct	tgttcctggt	2580
gcaaccaact	ccgtgcagat	aatatctggt	tactgagttc	ctcaactgta	cctttaaatt	2640
tagtgtccaa	aagctgaagc	tggtgggttac	tgtctctgtg	agacatcttc	agtttggtgc	2700
tctgctctga	tattgacaag	tccactctgt	tcaaaagctg	agaaatctgt	ccctctgcat	2760
ctttgatttt	cgtttccaag	ataagtttgg	cagcctgctg	ttctttgttc	aagtgctgga	2820
gccctcata	ggtcgttttg	tgctctgcag	aaagactagc	tatgctggca	tcacatctgt	2880
ccagacaaaag	aacaaagctt	gccactcttc	ctcgaagatc	tcccacaccg	gagagctggc	2940
gcactctcc						2948

<210> 5222
 <211> 1414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1231)...(306)
 <223> similar to gi3873707 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5222

ccataggcag	ggtaggcatg	cagcagggag	ccggaatcca	atccctcgcc	attaatttaa	60
cttagatgag	ctactcctgg	tccctggagc	cactccccag	gaaggatcct	gtgaagacac	120
atctggctct	cgtgcccag	ctcctgccac	tttgcccaac	caacgaagtt	agcaaatagt	180
aaagtgttca	tcattaccta	gttttgtatt	ataaaatgga	atcaggaaca	taaataggaa	240
caagtagcaa	aaccccagcc	ctgcgtagga	ccattatcct	ctcagccacc	tctgcgtagg	300
ccaatgagtt	tggaaaagttt	ctcacagttt	tcaagtttca	gcgactctgc	tttctgtttc	360
aatcgttcat	ctctgtataa	tcttgccaaa	tttgtcagct	ctgacttttg	ttgtttctcc	420
ttccaacaac	tagtctggat	ataatcaatg	taatccttct	ctattgtttt	ctccaagtca	480
tgcagagaag	ctcctctgta	ggccttgta	aagtttttat	ccacaaagta	aggcacctgc	540
aggttctgag	tttctctaga	aatggtgtag	cccaaggctg	atttatagaa	cagactatat	600
gggggattag	tagccagcag	ctgagtaatg	acagatataa	tcacaatcac	aagaactgga	660
agtagctgaa	taaatgcaga	atatgtagtc	tgaggtttct	cttcttcctc	ctccttctga	720
gtctgtgtcc	tctcatgtcg	gtgccgtcga	cggtaatagt	aagtgtcatc	tgtcacattt	780
gaaaacatat	gaatatttcc	tgtaggaaaa	tgtcctccaa	agaagacgtt	gaacagctct	840
tctggagtga	tgtcagcttc	aaaatccctg	taataattat	aagggtctggc	tcgaggggca	900
gtgaaagtca	cctgttcata	tccgtattca	tcatagcgaa	gtctcttata	aggattgctc	960
aggactgcaa	atgcatttcc	tattgctttg	aaagcatctg	ttgctccagg	agcacagtcc	1020
ttgtcagggg	gaaatttcag	ggcgagtttt	ctgtaagctt	tcttaagctc	ttcgtcacta	1080
gcatctcgag	aaactcccag	aatttcatag	taatttctgc	atttcttgat	cctttgtacc	1140
ccaagcagct	gttctctact	gtacgtggag	ttccctcac	cctgccgggt	ctgagtccac	1200
tcattctcag	acttcttttc	cttttgtgcc	ttcatgcagt	tacagcagcc	acaggggtca	1260
tgactctcag	gaggtgtgtc	ttctgggtat	ttgtttcttc	taactgcgtc	aatgtaagct	1320
tccgtccagc	gctccccgct	gcccagagtc	gccgccatat	cggttcccaa	tcagcaggtc	1380
cgccgagcct	cccccgcgcc	cgcccacgcg	tccg			1414

<210> 5223
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (23)...(151)
 <223> similar to gil90482 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5223

cagtttgta	aagggggatt	ttggccccc	ccccaaaac	ccaaaagtt	tttttggggg	60
tttaaaaagg	gggcccccc	cgggccaagg	ggggccaccc	cggggtttcc	ccccctttgg	120
gggtttaaaa	agggggcccc	cccatgggtt	taagggtttc	cacaccgggt	ccacgggggtg	180

<210> 5224
 <211> 429
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(200)
 <223> similar to gi5019774 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5224
 gagagaccag gtggactgga gtagactgtt gagagacgct ggtctggtga agatgtccag 60
 gaaaccacga gcctccagcc cattgtccaa caaccaccca ccaacaccaa agaggcgagg 120
 aagtggaagg ttccaagac aacccggaag ggaaaaggga cccatcaagg aagttccagg 180
 aacaaaaggc tctccctaaa agaccgccgc ttcaaaaaaa cctgaggaat ggagtgggcc 240
 aacactatcc agccactctg accagccgaa cgagggaactc aatcaaaatg agccatagcg 300
 ggaccacaag ggcaaggaga ccaccacctt ctccagtctc tcttcggaca gccagtaatt 360
 cccgggcaag gccagagact tcaagtctat ctgaaaagtc tccagaggtc taaccccaga 420
 taaatagcc 429

<210> 5225
 <211> 2318
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2319)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (4)...(1002)
 <223> similar to gi3929219 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5225
 ccatctagcc catcaagcct ttctgctgcc agcagtcttg acaacttatc tgggagtttt 60
 tcagaactgt cttcagtagt tagttcaagt ggaacagagg gtgcttccag tttggagaaa 120
 aaggagggtc caggagtaga ttttagcata actcaattcg taaggaatct tggacttgag 180

cacctaattgg	atatatttga	gagagaacag	atcacttttg	atgtattagt	tgagatgggg	240
cacaaggagc	tgaaggagat	tggaatcaat	gcttatggac	ataggcaca	actaattaaa	300
ggagtcgaga	gacttatctc	cggacaacaa	ggctttaacc	catatttaac	tttgaacacc	360
tctggtagtg	gaacaattct	tatagatctg	tctcctgatg	ataaagagtt	tcagtctgtg	420
gaggaagaga	tgcaaaagtac	agttcgagag	cacagagatg	gaggtcatgc	aggtggaatc	480
ttcaacagat	acaatattct	caagattcag	aagggttgta	acaagaaact	atgggaaaga	540
tacactcacc	ggagaaaaga	agtttctgaa	gaaaaccaca	accatgccaa	tgaacgaatg	600
ctatttcatg	ggtctccttt	tgtgaatgca	attatccaca	aaggctttga	tgaaaggcat	660
gcgtacatag	gtggtatggt	tgagagctgg	atttattttg	ctgaaaactc	ttccaaaagc	720
aatcaatatg	tatatggaat	tgaggagggt	actgggtgtc	cagttcaca	agacagatct	780
tgttacattt	gccacaggca	gctgctcttt	tgccgggtaa	ccttgggaaa	gtctttcctg	840
cagttcagtg	caatgaaaat	ggcacattct	cctccagggt	atcactcagt	cactggtagg	900
cccagtgtaa	atggcctagc	attagctgaa	tatgttattt	acagaggaga	acaggcttat	960
cctgagtatt	taattactta	ccagattatg	aggcctgaag	gtatggtcga	tggtataata	1020
gttattttta	gaaactaatt	ccactgaacc	taaaatcatc	aaagcagcca	gtggccctct	1080
acgttttact	cctttgctga	aaaaaaatca	tcttgcccca	caggcctgtg	gccaaaagga	1140
taaaaatgtg	aaacgaagtt	taaacattct	gaccttgata	aagcctttta	ataatgtacc	1200
agtgttttcc	taaatatatt	cctgtttttt	ccagcacttt	aacagatgcc	cattccccgg	1260
ttaaactggg	gttgtctgta	cctaaattat	aaacagagtt	aacttggaac	cttttatatg	1320
ttatgcattg	attcctaaca	aactgtaatg	ccctcaacag	aactaatttt	actaatataa	1380
tactgtgttc	tttaaaacac	agcattttaca	ctgaatacaa	tttcatttgt	aaaactgtaa	1440
ataagagctt	ttgtactagc	ccagtattta	tttacattgc	tttgtaatat	aaatctgttt	1500
tagaactgca	gcgggtttaca	aaattttttc	atatgtattg	ttcatctata	cttcatctta	1560
catcgtcag	attgagtgat	ctttacattt	gattccagag	gctatgttca	gttggttagt	1620
gggaaagatt	gagttatcag	atttaatttg	ccgatgggag	cctttatctg	tcattagaaa	1680
tctttctcat	ttaagaactt	atgaatatgc	tgaagattta	atttgtgata	cctttgtatg	1740
tatgagacac	attccaaaga	gctctaacta	tgatagggtc	tgattactaa	agaagcttct	1800
ttactggcct	caatttctag	ctttcatggt	ggaaaatttt	ctgcagtcct	tctgtgaaaa	1860
ttagagcaaa	gtgctcctgt	tttttagaga	aactaaatct	tgctgttgaa	caattattgt	1920
gttcttttca	tggaacataa	gtaggatgtt	acattttccag	ggtgggaagg	gtaatcctaa	1980
atcattttccc	aatctattct	aattacctta	aatctaaagg	ggaaaaaaaa	aatcacaaac	2040
aggactgggt	agttttttat	cctaagtata	ttttttcctg	ttctttttac	ttggttttat	2100
tgctgtattt	atagccaatc	tatacatcat	gggttaaactt	aaccaggga	ctataaaatg	2160
taggttgtct	cagtcacctc	cagggentcc	ggatggggca	agtgcagttg	aaacagggtg	2220
cttcttgctc	ccgggggttt	tctnctgga	tgttatggcc	cattgggaat	tngccgtcag	2280
tttgtgcacc	attggggggac	cngggcngtg	ctcagttt			2318

<210> 5226

<211> 1464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (332)...(677)

<223> similar to gi6010482 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5226

aaccctcttc tgttccaagc actgtgtgag accctgcctt ggataagtca aatgcatgag 60

```

cttaggaaag tagagtaact gctacaaata ataaaaaaca gatacatctg cagtcaagac 120
agtcaccacc gaagagtacc tggatgaaccc tgtgggcatg aaccgctaca gcgtggacac 180
ctccgcctcc acctttaacc acaggggctc cttgcacccc tctcctcgc tgtactgcaa 240
gaggcagaac tctggagaca gccaccttgg ggggtggcct gctgccaccg ctggtgggtcc 300
ccgcactagc cccatgtctt ctggtggccc ctccggcacct gggctgaggc ctccagcctc 360
cagccccaag agaaacacga cctctcttga aggaaacaga tgtgcctcaa gcccttctca 420
ggatgcgcag gatgccaggc ggccacggag caggaacccc tccgcctgga ctgtggagga 480
cgtggtgtgg tttgtgaagg acgccgaccc acaggtctct gggcctcacg tggagctctt 540
cagaaagcac gagattgatg gcaacgctct gctgttctg aagagtgaca tggatcatgaa 600
gtacctgggc ctgaagctgg gacccgcact gaaactctgc taccacattg acaaactgaa 660
gcaagccaag ttctgacgtt tttaaaaaga cagaagcgaa acccaaaaaca acagatccca 720
agattatctt ctgccttacc aatatcccg ccaacatcaca aaatagactc tctctttaa 780
attaacagcc acagagacgt ggtcttttta taaaacttgt gaatctttgc cttttgaaga 840
atttaacatg gaccttttcg agaggctcct ctgtgttcat aatttgccaa aaaattacaa 900
aagcctgtga tttttaacat cctgtttatg ctgatttctc ttaaagtggg tcctatttgc 960
ataacgagag agtggggaac tgaatgctta tgcccaagga gagttctgga gggttcaaag 1020
gatgaaagaa ggacctttgt cctgcggtc tctgcaggga cccccccctc aacaccatct 1080
gcctctaact ctgacctggg gacctatccc tgtgagcctt gtttgctca gctctggaag 1140
ctgacttctg aagatgactg cctcaccttg cactgtctgg aaaacttgaa ttattttacg 1200
ccgtgaaaga aaaaggaaaa aaaaaaaat cttttctgtt ctaaaaaaat ctgaagaact 1260
gggtttctcc gctagagggc aaactgctaa tgaaatttca ggaccctcac tgactgcagt 1320
agcaggattg ttcagtactg agtggatggg ttaggggtgc tgtgaacaaa atctacccca 1380
cacagaaaca ggggatttat tccacagtta gcaccacaga ttgcgacttg ggaagaaacc 1440
atcagctaga ggggtctagt tcgt 1464

```

```

<210> 5227
<211> 1306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1164)...(722)
<223> similar to gi4468812 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5227
tttttttttt ttccaatgcc aaaaactggt gatttataga aattcacctt ggtttatattt 60
tttcaaccaa aggaaaaaaa aaacatggtt caataattca gcatttgga ctctggcaag 120
tactgtctgc attgttcaaa ataagtgttc ctggctgtga cgctctgcaa ccacatactg 180
atcgcgccca ggaaccttct tccatggttc taataaaaca aaggaccac acatggagcg 240
ttacgtgagt caacaaaaga tgctctatca caatgggtgc taaaaagcaa gtctttgaaa 300
aatatccaga tctctaaagc gaatacaaac actcctattt gggttttgtt tttgttcac 360
ttcagtattt atattttagt tgttgaggaa aatttttttt actgtaagga aggagttata 420
tggactttat aaagtgggaa ccaacaggct gccggcta atacatcgctt tccctccaag 480
tcaagtagct ttttcccccc gaaagcctct ttcattgatt tcattatggg tcagaaaagt 540
aaagaaaatg atttcaagta ttcaattcct ataaaaattg gtatcaaaaag taatagagga 600
cctaatttct ttataattcc atgtttttaa aaataactta agaagcaaga ggtccggccc 660
tttacttgta taaatacagc agcagaacta gagtttctta agacaacgtg gagaagagtc 720
tgtgttttag acctcaatca tcgatcttaa cgttggaaac gtttctgaaa ctgatggaag 780

```

```

agtcttataa gaaggtgaaa tacttttcaa gttcatccag cttttggcga ctttgctaaa 840
ggcctctgaa ccaggggctg tcatagcttc aaagtcgact aacttccctt tgggaatttt 900
tctgtctact tcttttccac ttgccatcag tgctcccacg atgaccgagt aagcaattac 960
actggatcct cgagagagtg gcattaaatt ataaaagtaa taaactaagg ataagattaa 1020
gttgacagaca gcatcagcct ccccaaattc tgatgaaaga atcaatactt ttccttttgc 1080
tgtcaaactc ttataaagtg catctatttc agcatgatat aattgtgtcc tttcttccgt 1140
ggtttgagtt tccacagaaa ataatatatt gccaaactttg tctcctgtaa tcgtgattgt 1200
gaatccatca tattccttcc cttgggtcttt aaggctggga acttttgtgt tcacggtgaa 1260
cccatccttc gtttttagtat taaactgctt cataatcgga agaagg 1306

```

```

<210> 5228
<211> 4260
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2458)
<223> similar to gi4240241 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5228
gccggcttca atcacggggt ccaactgcgca gaatctacca acttcgccac cctgcgggtgg 60
attgactacg gcaaagtggc cactcagtgc acgtgccgga aggacatggt caagatctcc 120
atggacgtgt tcgtgcgcat cctgcagccc gagcgctacg agctgtggaa gcagggcaag 180
gacctcacgg tgctggacca cagcgggccc acggcgctca ccagccccga gctgagctcc 240
tgaggtgcgt cccgggcctc gctgaaggcc aagctcctcc gcaggtctca ccggaaacgg 300
agccagccca agaagccgaa gcccgagac cccaagttcc ctggggaggg tacggctggg 360
gcagcgctcc tagaggaggc tgggggcagc gtgaaggagg aggtggggcc ggagggtgac 420
cccaggaggg aggaggagga gccgcagcca ctgccacacg gccgggaggc cgagggcgca 480
gaagaggacg ggaggggcaa gctgcggcca accaaggcca agagcgagcg gaagaagaag 540
agcttcggcc tgctgcccc acagctgccg ccccgccctg ctacttccc ctgagaggag 600
gcgctgtggc tgccatcccc actggagccc cgggtgctgg gccagggccc tgcagccatg 660
gaggagagcc ccctgccggc accccttaat gtctgtcccc ctgaggtgcc cagtgaggag 720
ctagaggcca agcctcggcc catcatcccc atgtgttacg tggtgccgcg gccgggcaag 780
gcagccttca accaggagca cgtgtcctgc cagcaggcct ttgagcactt tgcccagaag 840
ggtccgacct ggaaggaacc agtttcccc atggagctga cggggccaga ggacggtgca 900
gccagcagtg gggcaggtcg catggagacc aaagcccggg ccggagaggg gcaggcaccg 960
tccacatttt ccaaattgaa gatggagatc aagaagagcc ggcgccatcc cctgggccgg 1020
ccgcccaccc ggtccccact gtccgtggtg aagcaggagg cctcaagtga cgaggaggca 1080
tcccccttct ccggggagga agatgtgagt gaccggagcg ccttgaggcc gctgtgtct 1140
ctgcagtgga agaacagggc ggccagcttc caggccgaga ggaagttcaa cgcagcgct 1200
gcgcgcacgg agccctactg cgccatctgc acgctcttct acccctactg ccaggcccta 1260
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<210> 5229
<211> 1211
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1085)
<223> similar to gi402647 in the genepept database release 114.
```

Run with FASTXY 3.3t00, default parameters

<400> 5229
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agccggccac cctggcccag ccggtcacca tcagggagat tgccgagcca cccaagatcc 180
ggcttccccg ccattctccg cagacctaca tccgcaaagt gggcgagcag ctcaaccttg 240
tcgtcccctt ccagggaaag ccccgcccc aggtggtgtg gaccaagggc ggggccccgc 300
tggacacctc ccgctgac gtgaggacca gcgacttcga caccgtgttc ttcgtgcgcc 360
aggcggcccg ctccgactcc ggggagtagc agctgagcgt gcagatcgag aacatgaagg 420
acaccgccac catccgcatc cgcgttgtgg aaaaggctgg gccccccata aacgtgatgg 480
tgaaggaggt gtggggcacg aacgcgctgg tggagtggca ggccccaaa gatgatggga 540
acagtgaagt catggggtat ttcgtccaga aagcagacaa aaaaaccatg gagggttca 600
acgtctatga acgtaacagg cactactagc gtactgtgtc cgaccttata gtgggcaatg 660
aatactatct ccgagtttac accgagaaca tctgtgggct cagtgtactc cctgggtgtc 720
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gagtcctgac gctgaacatc cgtcgccctc cgcccttcga cgctgggact tacacctgcc 1020
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agtgagacct gtcccctacc tgccaagaca attggtggtg gagtccctgac cccaatcccc 1140
aacctcccag gactgtgttc tttctggagt tttcgtgag aacaaaacag tgttgtctgg 1200
aaaaaaaaa a 1211

<210> 5230

<211> 2018

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(527)

<223> similar to gil842216 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5230
gaacgctcaa gtcgaccatc cgtatcaagc acagcgggaa tgacttcaag tgtcctcatt 60
gcgccttcct ggggtgacagc aaagccaccc tccggaagca cagccgcgtg caccagtcgg 120
agcatcgatga gaagtgtctg gaatgcagct actcctgctc cagcaaggcc gccttgcgca 180
tccacgagcg tatccactgc accgtccgcc ctttcaagtg caactactgc agcttcgact 240
ccaaacagcc cagcaacctg agcaagcaca tgaagaagtt ccacggggac atggttaaga 300
ctgaggctct agagaggaag gacaccggca ggcagagcag ccggcagggtg gccaaagctgg 360
atgccaaagaa gaggtttccac tgcgatatat gcgatgcctc cttcatgcgg gaggactcgc 420
tccgcagcca caagagacag cacagtgaat acaatgagag taagaactcg gacgtgaccg 480
ttctccagtt tcagatcgac cccagcaagc agcccgccac gccctcact gtgggacacc 540
tccaggtgcc cctccagccc agccaagtgc ccagttcag cgagggaaga gtcaaaatca 600

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ttgggggtgt	tcatgtttta	tacatgtaag	tctgttgcca	tgaaggacca	ttttctacat	1920
aatatgacat	ggatacttga	ccccaaaaaa	aatgtttagt	gctaattgagc	agaaaatgaa	1980
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<210> 5231

<211> 2159

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (14)...(1177)

<223> similar to gil63538 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5231

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ggagcagcag	gctgccatgg	cccgccacct	ctgcaccatc	ctgggggaca	tgctggtgac	180
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gcacaatgcc	cgccagctga	cccgcgtgta	cccgtgggg	ctgcggatga	actcagccaa	600
ctacagtccc	caggagatgt	ggaactcggg	ctgtcagctg	gtggccttga	acttcagac	660
gccaggctac	gagatggacc	tcaatgccgg	gcgcttcccta	gtcaatgggc	agtgtggcta	720
cgctcctaaaa	cctgcctgcc	tgcggcaacc	tgactcgacc	tttgaccccg	agtaccagc	780

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cgagactgt gcccggcagg agactgacta cgtgctcaac aatggcttca acccccgtg 960
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<210> 5232
<211> 1148
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (478)...(594)
<223> similar to gi4102711 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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<400> 5232
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gaggactgta acaacactga caacaaagaa cggaagtcct tccagaagga gcttgggatg 180
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gtctccaagc agcagatgga gcctacgag tctcccacc gggacaggaa cggggttggtg 360
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accgcggagc tgaagaggga ggaaggggag gctgctcaga cagatttagg gcccgcagc 720
taggctacac ccatcatgcg ccgccctcct ccatcgaggg agaggcctga agggactgcc 780
tactgcagct cgttgccaat cacatagctt tctatttggt aagtataaat ttaaatttaa 840

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aatcactttt	ttaacgaatg	gggggaaggg	atctatgaga	aaggtggtat	ctaatttttt	900
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tatagacctt	tttaaattat	gtagagatg	tatataggtg	tttaaagggtc	actgggagca	1020
tttctgattc	ccgggccaca	cttttgcat	tcaacactca	agcccgggaa	aagatgctcg	1080
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tggtcttt						1148

<210> 5233

<211> 3675

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3676)...(2035)

<223> similar to gi4101480 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5233

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cgctggctga	ggaatgctgc	cagctgggtc	tgggcctctg	cgaccaggta	gacgacgtg	180
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tggcgcccca	cttgggaacag	atcaccacgc	tcatgtctgt	gtcactgcgt	tccaccgagg	300
gcattgtgcc	tcagtatgac	gggagcagct	ccttccttct	gtttgacgat	gagagtgatg	360
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aagtatttaa	actgctggag	tgccctcacc	tgaatgtgcg	gaaggcagcc	catgaggctc	600
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ggtttgagct	tggttcttga	atttctccgg	ggagatctga	gtctccttgt	cccagaacag	2760
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gatcagcagg	tccagttctc	ggcggtgac	ctctgggagc	tcccgttcac	cctcaatctc	3060
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ctgcagctgg	gcacggtgga	ggcgctccaa	gatgtgctgg	atgtcctcca	cgagggtactg	3420
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gaagcggggc	cgcggcaggc	cgggctgcgg	gggttgcact	cgtaccagca	cgtaattgag	3540
gatttctctg	caggttttca	ccacattcac	cctcaggtat	tcgcgcttca	ccaaccggct	3600
gccgcgagtc	gccgccagcc	agatggtggc	aaagcagccg	gtgtggcgct	gaagcacgtt	3660
gggatagtag	aacat					3675

<210> 5234

<211> 1747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(416)

<223> similar to gi2739105 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5234

gcgaccgcca	actggacggc	gggcttcagc	cgtgggceca	cgcgcgccgc	gcttgtgggc	60
atccggcccc	catggccggg	ccgcggcgcg	cgcgcctcc	tcgtgctgga	agaattcaag	120
acggagaaga	ggctgtgcga	gatgtttctac	gccgtcacgc	tgtcttctct	gctcctctgg	180
gggccctacg	tcgtggccag	ctacctgcgg	gtcctggtgc	ggccccgcgc	cgtccccag	240
gcctacctga	cggcctccgt	gtggctgacc	ttcgcgcagg	ccggcatcaa	ccccgtcgtg	300
tgcttctctct	tcaacaggga	gctgagggac	tgcttcaggg	cccagttccc	ctgctgccag	360

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agccccgga ccaccaggc gacccatccc tgcgacctga aaggcattgg tttatgaggg 420
aggccccgcc acatagaccc ccaacccagc ctttcccttt ggctcggacg gtgacgttgt 480
atcttttctt tctggccctt gtttaatttt ctaagctgcc ttcaaatga ctggaagtgg 540
acagacactt ggattgtact gactcctttg gggggggggg gggtagaggag taagatgctc 600
agcccactcc agctccgcac attcgtcctc ctaactcgac tttcttcctg acaataggcc 660
ctgcagtctt tttgtagcgg tactgacgtc ttttattcca tgtgtgggttc ctttttttct 720
ttttctataa aggtctgact aattttcttc atgcaacgtt tcctaaagac catggccagt 780
tttctacaga agctattttt tgacaacctc aagtgggcat tacattttgc agtgaagtag 840
agggaacctt gggggacttc ttcacaagtt agatttcttg aggatcttct gttggaagca 900
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gatggagatc agtagcaagg cagtcatttt tttaaagcag taagtaacaa gtaagatttg 1080
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tctgtcttat gaaactaatt tccactttga aaattgttct tctgttgttt atggtataaa 1440
tgaatggaat ataatgatat cctccttcta ggaaacaaag catttcctta aaatgtttgc 1500
taggttaagc tgtgctgttc tactgatggt tgttttaaat taataatgag aactataatt 1560
taaataatat ttctttgtta gacattataa tgttaaactg aaagactaaa ttctgcaagt 1620
actatataat atttttggct tataatgcta catttttatt aatgtacctt ccgttttgag 1680
gatttatatc tgtatttctc tttgcattat acaaatatac cagtattttc attctggaaa 1740
aaaaaaa 1747

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<210> 5235
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(201)
<223> similar to gi913894 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 5235
agtgtataac agacaaacca tccaggtcag tttaatgcag aatggctacc cagtgatctc 60
ggcctttgca ggagaccagg atgtcaccag agaagctgct agcaatggcg tgctgctgct 120
catggaaagg gaagacaaag tgcactctca acttgagaga ggcaacctca tgggggggctg 180
gaaatactcc acattctcgg gcttcttggt gtttcctcta taaacacaga gccccctaga 240
tggtggggga atggcaact ggacccagga ctccgccctt taaaacaccc tgaacttact 300
ggaattggac acctgtttc caacctccgt cagactgttg cagtagaaga atgatttcct 360
ttgaaacctc cagtactttt gtttttgttt tttggaatac tgacaattcc tcgggaacct 420
ggcctctaat tagttttaga tgacaaggct ttaaggagaa atgaaattat cgatttgagc 480
aatttgtagc tgtgattgta aagtcaatat cggattttat tgttgggacc atggacctct 540
tttgtttgta tgttgatttg tcgtcccaac ggaaggagag ctctgactc caggatgggc 600
tgcaggttgc agtcagggtc tgaagtagga gccagcaaa gaaccacctg ctggacagtc 660
ctttgacatg tgttctgtgt gtgtctgtat agccttaaga aaaagaatgg cttcactttc 720
attctgtatt cttcccccca ccatgtggct gggaggactt gggaggggga tggggacatt 780

```



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aagccatccc gggaggccac cagcttgggc aggttgctga acatattctt gctcagaccg 2160
ccaatgtaca actccccttt gagatcgagg tttcggggcg cattggagtg ctgcgtgaca 2220
gtgcgggagt caatcttgag cgtgtgcacg ttgcctgggt ccctggacac caccacgttg 2280
tgccaactggt tgtcattgac tggtttgtct gagttcccct tcatcaagga cgggccattc 2340
cccagggtcaa acacgtagtg gatgtacccc ttgaccagct cgatgacaat gaagtcattg 2400
ccgttgcccc agttgaacag aagaagccca tcaggggccc tggctctgaa ctggaagaag 2460
aggtgcatgg aagcataggc ttggagcgtg gcgagtgcc a ggtagctgct gcgactcttg 2520
aaggtgacgg gatcggccac aatggcacgc aggccaaaag gagcattgag ctcacagtag 2580
gtgatgtcac catccttgca ctgggccatg tagggctggc cattgaacac gagcccactc 2640
agatgcccga tgaagttgga gggcaccacg gagataaacc gccgctccgt catgatgccc 2700
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acgttgtcca cagacagctg caggctcttg ccacgccgga ccaccctcac cgtgtgccac 2820
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atggtcacca tagcgtgtcc aatccctgcg tgctggcgca ggtttcgggt gacccggacg 4140
tcgtgccagg cgttgtcgtt gaacttgcca ttgacgggt ccacaagggc ctggaaggca 4200
cctgagccta ggttgatgac cagccagaca gccccagact tgagggacag gttgacgtag 4260
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gtgatctcat cagtgtgct ctggatgggg ttgtgtgaca ggtcgtagca gaagaactca 4380
ttgcctttga aggtcgccac aaactcctcc ttgccttttg ttggctggtg cacatcgccg 4440
gctcctcctc t 4451

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<210> 5237

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1198)...(295)

<223> similar to gil041396 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400>	5237					
tttttttttt	ttgggatttc	aaaagtttat	ctcaatctcc	tcattcccag	acttccaggt	60
gggaggcagg	ccgggcagta	atgtgagcat	ctcaaggaca	ccacagtcac	tgcgaccaag	120
ccagtctgtg	tcctcattta	cacaatgaag	gcgatggacc	acatagtctc	tgacgtccca	180
ctgcaccctg	acagctgaca	aatctgtttg	tcctcaaaga	caggtctgag	agggaggaaa	240
actgatgggg	atgatgagtt	agagctccgg	gctccctggg	gctggagggt	catccatcag	300
ctgccggagg	tgagaggctg	ccttgtccag	ttttgacaat	tccagctgga	gggaagaaag	360
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aagctgcttc	tgcaacttgt	accttcgggc	ggctaacaga	ggtagctgga	tctgcgggtc	480
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gcccaggggc	tccaagaagg	cctcgaagag	gccctggtcc	ccaggctctg	agctctgcag	660
cagcactcgg	ggccgggctt	tggtgagctg	gtacgtggct	tggagagccc	ttagcacctg	720
cacgacctct	tggacccggg	agaagcgccg	ctccagctct	ggctggcgcc	agtgtccaa	780
gctgcaggcg	ctggggtagg	gggcaaccga	gatgctgggg	gcaggggggc	aaccaggcct	840
ggggggcagc	ctctgccaga	gctcttcagc	caggaaaggg	atcagtgggg	ccaggaggcg	900
gaggccgagg	tcagcgcagg	agaacaggac	ctgagggggc	cccagggggc	ggggcgagtg	960
ccacagcagg	ggcttcacag	cctccaggta	gacgtcacag	aggttgtgaa	gccagaagtg	1020
gtgcaggcca	tgagtcagca	gcgagagctc	tcgggtgagg	aagccccgct	cacactcctg	1080
ggcagccagg	gcaaggcggc	tcaggatcca	ggcatccatc	ggggaggagg	gagacagctc	1140
ctcagcagac	tgtggcacia	atttctcccc	taaagcattg	aggataaagc	gaagagccct	1200
cgtgccaaagc	ttggcgtaag	catgaacagc				1230

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<210> 5238
<211> 2222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1985)...(1512)
<223> similar to gi603953 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5238						
aatggagggc	agtagaaaga	ccacagctcg	cctcaacctg	gggtttatgg	ggctcaatta		60
ttatcccccg	ccagcttcca	aattgttttt	gtttactttt	tttttgtttc	attttctagt		120
tattttat	tggttttttt	tttttaaaaa	tatgtttatc	tttaatgatc	caagattctg		180
caagtcacgc	tgatataccc	agaattgggt	ggaaatacag	catctcagca	gtgctactgc		240
cagcctgggg	gtggggagct	ggatgctggc	tgaaggaccc	ccatggtgaa	gtcgattcca		300
acctcacggg	agcctcagtg	ccctatctcc	atggaaacca	gcctggcact	gggatggggc		360
cctagggagc	ctgcatgaac	atctctgaga	ggtatttccc	attaaaaaca	accacaggtg		420
cccaccccc	ccccaaagcta	ctgccagct	ccccctcctc	tctgtgttgt	cggccaagat		480
aaaggaaaatg	ggagtgaacca	cttaacgaca	aacaaaagca	gattgtacct	cctattaggg		540
aagaaaaagg	aagggaagg	gtagtaaggg	agctgcactt	caagctcaga	attctgccaa		600
gaccctagag	cggtctatggc	agacagcggt	gcatgactgc	cagagggcag	cgctacccaa		660
acccctggag	gtaccctttg	ttaactgtgg	ggcccctgct	gctgtggggg	aaagacgggt		720
cttcaaggct	gcttcctgcc	atctagcgct	gcccgaatgtt	tggaccacaaa	ggggatggca		780

cctaggatgg	ctctacaact	ccatactcag	tacgaaaaga	gggctcccag	gatctcaatg	840
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gctctgggct	aggaagaact	ccagggaagg	ccaggatgag	tgggggaagg	agacaagaaa	960
atgggtctcca	atttggcatc	aaaacagagt	aagttcaaag	aaacaaaacc	ttgatttttt	1020
tatagcagggt	tctcctggcc	agctcatgac	agcagggtctc	caccactca	gggatggccc	1080
aataaaaaagt	tgggcaaagc	aagggcatgg	ctaccctcag	ggcagtgcac	ggaactcaga	1140
aaagtgagtc	tacaggatgc	aggagagAAC	agcagagccc	acagctctgc	cactctgata	1200
tgtcctccat	cagtcccacg	tgccttaggc	actgacctca	tacctgcctc	aggagcagct	1260
tccttcaggc	tgagtccctg	caggggaaag	ttcccaggca	ggtgtcccag	aaggaacatg	1320
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ctcatgccag	gtgcaatgct	ccccagtccc	ttttcaagag	ggggaagaag	ccagcactgt	1440
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cctgacaaaa	atcttctcca	tctcttccag	tctgtacacc	tccttcaccc	tgatgggatt	1920
catgtcgggc	cgactaggct	tggaaacggc	tttcacaaat	ttctcggcaa	gctgaattct	1980
acaatccaaa	cagtctctct	gagaggcaag	ccaaggatgc	ctccaccagc	accctaccc	2040
ccagggcatt	ttcacagctc	cagtaggaga	accttctgaa	tctgcggcaa	gactgctcta	2100
agaggcagca	cccatgtccc	ccagggaagc	cgccctgccc	ttctccaccg	acgtctttat	2160
tcctgcgcct	cgtgccaaagt	tgggcgtaat	cgtgttctac	tgtatcaatc	gcaccccccc	2220
cg						2222

<210> 5239

<211> 2842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2844)...(911)

<223> similar to gill163174 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5239

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gagggcgccc	tccaggctga	ggggatgtca	gacaggaggg	gaccaggagg	gcgccctcca	180
ggctgagggg	atgtcagata	cgaggggacc	aggagggcgc	cctccaggct	gaggggatgt	240
cagacaggag	gggatcagga	gggcgcctc	caggctgagg	ggatgtcaga	catgagggga	300
tcaggagggc	accctctagg	ctgaggggat	gtcagacatg	aggggatcag	gagggcaccc	360
tctaggctga	ggggatgtca	gacaggaggg	gaccaggagg	gcgccctcca	ggctgagcgg	420
agacttttac	tctgtgattg	acaacagttc	ctgggcaatc	ctagatcagt	agtcagaaaa	480
ccttaactgg	aaaagagaat	gcatggcggt	ttcattttctc	tgaggaagcc	gagaaacttt	540
aattaggtga	cgggggttccg	agcacttaag	cagatggggg	gcgggtgaagg	cccaggagg	600
aggagggcag	ggaggtgcac	gtcctctgtg	ccccacacac	tttcaaccac	tgcaacaaac	660
aagcacccaa	gagaggctgt	gcggcagagc	cctgcaccca	caggcctttg	acagcacagt	720

gaggggctc	cgcacgtggc	ctcgggacgc	tcactcgacg	cacacccggt	gcatcacact	780
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ctgtcccgcg	tttctaaagg	cagggaccga	ggctgtggag	ggcgagcag	ggcaggccgg	900
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gggcacgtag	ctggggctgg	cctgtgctgg	gccctgctcc	agggctctcca	tgatggctctg	1020
cttcatgtca	cggctggcgt	ccccacgcac	agccagcagc	gcaccgatgt	ggcatccct	1080
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gaaaccggac	gccagcttcc	ggaacaggaa	gcgcagctgc	tctgcctccc	taaccatctt	1260
ctcggcacc	tccttgcgct	cctccgggct	ccggaaggaa	atgcgcttct	gcatgaccgc	1320
ccgcaggtac	tccaccacca	cgcgcgggtg	cgctcggcc	gtcatcctct	tcttatacgg	1380
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gacaatggca	gggagtgtgg	tctggtagta	cccgtcctgg	tcggcttctg	gctctgtctc	1920
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agtgagcgtg	gacatgtacg	tgtcaagcag	ctcagagacc	acgtgtggag	aaagcaatgg	2040
ctccagggtg	ccgacatcca	cttccggggc	cagctccacg	ttcctcatca	tctcagtact	2100
tgtgtagggtg	tttaagaccc	acgtcaagag	gctcacgatc	tcattggctt	ccaggctcttc	2160
cgatgcgagg	tcctgcatcc	gcgtgctcag	ggcttgggtg	tacatgttca	ggaggttctt	2220
aaagatctca	tagtggggag	gaaagcactg	aaccatcagg	tttttggcga	caatgagggtc	2280
atccaggacg	tacttcctta	taattttccag	gtggcgga	agccacatct	tgtcagactc	2340
tctggtatct	gcctgtgtgc	cctcaattct	ggtggtcaca	gtcctctcca	agatggtgaa	2400
cattttctcc	ttccaattct	tgggcctccc	aggaggaaca	aagccagttt	gctttttccg	2460
gtcaagtatg	gcctgtgcaa	ttttctcttc	cctttcaatg	atcctgacaa	ctgagaccag	2520
caagggtggg	tcacggcgga	cagtgaccag	tgacctctgc	agcaccatcc	acagctgctt	2580
agccagctca	tcagagagcc	cctgcgtgct	gccaaagtag	ccatggatga	gggtcatgtc	2640
acgcgtgttc	ccactgtcca	tgcggtactg	ctcgtagatc	agcccgtccc	gggagcattc	2700
caggtccatc	agcttccggg	gggcttgcat	gagtgcccct	tggtcaatta	ggtcctgggt	2760
ctccctcaca	atctcaggca	ctgagaagat	gttcttgagg	ttctccacgg	ctgcggcgag	2820
ctggctgtgc	tgcaccacgg	cg				2842

<210> 5240

<211> 1299

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (47)...(542)

<223> similar to gi4006818 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5240

cccacgcgtg cgatgttttg ttgcccctcc ctgtagcctt ttcctggggg gtggggcccc

60

09460725-012100

cgcagggtgtg	attcgctcac	tgcacagcct	gggccgcctg	gagcatgcct	tctgcacaga	120
gacccggccc	tacaaccagg	gagcccggt	gacggccttt	gagctggtct	atgagcagat	180
ccccgccacc	cttatcaccg	acagcatggt	ggctgctgcc	atggcccata	ggggcgtgtc	240
agctgtggtc	gtgggagctg	accgcgtggt	tgccaacggc	gacacagcca	acaagggtggg	300
cacctaccag	ctggccattg	tcgccaagca	ccatggcatt	cccttctacg	tggctgcccc	360
cagctcttca	tgtgacctcc	gtctggagac	cggcaaggag	atcattattg	aagagcgacc	420
gggccaggag	ctgaccgatg	ttaatggggt	ccggattgca	gcacctggga	ttggagtttg	480
gaatcctgcc	ttcgatgtca	ccccccacga	cctcatcact	ggtggcatca	tcacagaact	540
gggggtcttt	gcccctgagg	agctccggac	agccctaacc	accaccatct	cttccaggga	600
tggaacccta	gatggacccc	agatgtaacc	aactcaactc	tccctagcct	gcctctctag	660
gtttttcaat	acattttcttg	aatggctacc	caaaagctga	ccgtccagcc	cctgaccaca	720
cttggttccta	gtgcagggag	ctcagacagg	gccttccatc	tagagcccag	cacctagagc	780
cagggtgccc	agattcaaat	cctgactccg	ccacttttcc	caactgtatga	tcttgggcaa	840
gtcacttcac	ctctctgtgc	cttggtttcc	tcatttataa	aatgtggata	acaggccggg	900
cgcagtggct	cgcgcctgta	atcccaagggt	gctgggacta	caggcatgag	ccactgtgcc	960
tgaccttaca	gcagtatttt	ttaaaaaatca	aaattaatgc	aaaaatccat	gatgaggcca	1020
ggcttggtgg	ctcatgcctg	taattccagc	actttgggag	gatcccttga	gcccagggtgt	1080
ttgagaccag	tttgggtaac	atgggaagag	cttgtctcta	caaacaaaaa	tttaaaaaaca	1140
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ggcttgagcc	caggagtcca	aggatgcagt	gtgctttgat	tgcactactg	cgcttcaccc	1260
tgagcaacag	agtgagaccc	catctcttta	aaaaaaaaa			1299

<210> 5241

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (30)...(560)

<223> similar to gil669498 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5241

ccgggtcgac	ccacgcgtcc	gcaaatatat	gtgagggtgtg	caacaaatgg	ggacggctgt	60
tctgctgcga	cacttggtcca	agatcctttc	atgagcactg	ccacatccca	tccgtggaag	120
ctaacaagaa	cccgtggagt	tgcactctct	gcaggataaa	gactattcag	gaaagatgcc	180
cagaaagcca	atcagggtcat	caggaatctg	aagtcctgat	gaggcagatg	ctgcctgagg	240
agcagttgaa	atgtgaattc	ctcctcttga	aggctctactg	tgattcgaaa	agctgctttt	300
tcgcctcaga	accgtattat	aacagagagg	ggtctcaggg	cccacagaag	cccatgtggt	360
taaacaaagt	caagacaagt	ttgaatgagc	agatgtacac	ccgagtagaa	gggtttgtgc	420
aggacatgcg	tctcatcttt	cataaccaca	aggaatttta	cagggaagat	aaattcacca	480
gactgggaat	tcaagtacag	gacatctttg	agaagaattt	cagaaacatt	tttgcaattc	540
aggaacaag	caagaacatt	ataatgttta	tttagccatt	cttatctcct	cccttcagat	600
cctctggcag	ctagctacgc	aatgtgcctg	tgggtccact	aatctgtgac	tgctcctgtg	660
gaaactccac	atcacaattc	tccaaaattt	atcattgcca	ttttaaaacc	gtcttttcag	720
ctttcaat						728

<210> 5242
 <211> 1922
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1827)
 <223> similar to gi5630076 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5242

atgggaagtg	tcacagttcg	gtattttctgt	tatgggtgcc	tttttacatc	tgcgacctgg	60
acagttttgc	tttttgttta	tttcaacttc	agtgaagtga	ctcagccact	taagaatgtg	120
cccgtaagg	ggtctggggc	ccacggacca	tctccaaaaa	aattctatcc	ccgtttcact	180
cgaggcccaa	gtcgagtgtc	cgagccacag	ttcaaagcaa	acaaaattga	cgatgtgata	240
gacagtcgtg	ttgaagatcc	agaagaaggc	cacttgaaat	tctcttctga	attaggtatg	300
atttttaatg	aacgcgatca	agagttgaga	gacttgggct	atcagaaaaca	tgcttttaat	360
atgcttatca	gtgaccgctt	gggctaccac	agagatgtgc	cagacacaag	gaatgcagcg	420
tgtaaagaaa	agttctaccc	acctgacctg	ccagctgcta	gtgttggtat	ctgtttctat	480
aatgaagcgt	tttctgcctt	gcttcggaca	gtgcacagtg	tcatagaccg	cacgccagca	540
cacctgcttc	atgagatcat	ccttgaggat	gatgatagtg	actttgatga	tttgaaagga	600
gaactagatg	aatatgtcca	aaaatacctc	cctggaaaaa	ttaaagtcac	aagaaataca	660
aagcgtgagg	ggttgattcg	agggagaatg	attggcgcg	cccacgcgac	aggagaagtc	720
cttggtgtcc	tggacagcca	ctgtgaagtg	aatgtgatgt	ggctgcagcc	cttgctggcc	780
gccatccgtg	aggaccggca	caccgtgggg	tgcccagtga	ttgacatcat	cagcgccgac	840
acgctggcct	acagctcgtc	ccctgtcgtc	cgcgagggtg	tcaactgggg	actgcacttc	900
aaatgggata	ttgtccccc	ttctgagcta	ggacgagcgg	aggagagccac	tgcaccaata	960
aagtcaccaa	caatggctgg	aggtttgttt	gccatgaaca	gacagtattt	ccatgaactt	1020
ggacagtatg	atagtggcat	ggatatctgg	ggaggagaaa	atttggaaat	atcatttcgg	1080
atctggatgt	gtggcggtta	gctcttcata	atcccttgct	ctagagtagg	acacattttc	1140
cgaaaaaggc	gaccatatgg	atctcccga	ggccaggaca	ccatgacaca	caactctttg	1200
cggctggcac	atgtctgggt	ggatgaatac	aaggagcagt	atttttcctt	aagacctgac	1260
ctgaagacga	aaagctatgg	caatatcagt	gagcgtgtgg	aactgagaaa	gaagttgggc	1320
tgtaaatacat	ttaaattggt	tttgataaat	gtatacccag	agatgcagat	atctgggtcc	1380
cacgccaaac	cccaacaacc	cattttttgtc	aatagagggc	caaaacgacc	caaagtcctt	1440
caacgtggaa	ggctctatca	cctccagacc	aacaaatgcc	tggtggccca	gggccgcca	1500
agtcagaagg	gaggtctcgt	ggtgcttaag	gcctgtgact	acagtgacct	aaatcagatc	1560
tggatctata	atgaagagca	tgaattgggt	ttaaatagtc	tcctttgtct	agatatgtca	1620
gagactcgct	catcagacct	gccacggctc	atgaaatgcc	acgggtcagg	aggatcccag	1680
cagtggacct	ttgggaaaaa	caatcggcta	taccaggtgt	cggttggaca	gtgcctgaga	1740
gcagtggatc	ccctgggtca	gaagggctct	gtcgccatgg	cgatctgcga	tggctcctct	1800
tcacagcagt	ggcatttgga	aggtttaaggt	ggatgctgtg	gcgggaacgt	tgcttcatca	1860
ggcgttgcc	ccggtgtgga	gtttggggct	ttaggaaagc	ctgggttggg	tggagcagaa	1920
cc						1922

<210> 5243
 <211> 2234

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(398)
<223> similar to gi2352427 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5243

gctatgttcc	caatttatta	ggtatcatat	cttatgcagg	catagatctt	gctgtgtatg	60
agctcttgaa	gtcctattgg	ctggataatt	ttgcaaaaga	ttctgtaaac	cctggagtca	120
tggtgttgct	gggatgcggt	gccttatcca	gcacctgtgg	tcagctggcc	agctacccat	180
tggttttgg	gagaactcgc	atgcaggctc	aagccatgtt	agaaggttcc	ccacagctga	240
atatggttgg	cctctttcga	cgaattat	ccaaagaagg	aataccagga	ctttacagag	300
gcataccccc	aaacttcatg	aaggtgctcc	ctgctgtagg	catcagttat	gtggtttatg	360
aaaatatgaa	gcaaacttta	ggagtaaccc	agaaatgatg	ttgcattttt	tgcttttagcc	420
tgataattga	aactttcaac	aatctctgga	gtgacttttt	ctcctcgaat	tgaaacaagt	480
ctatggcaaa	agaagctgca	tttttttcac	aaaagggaag	atggtaacaa	tggtcacttc	540
aaacttttgg	gctaaattat	atgtacacag	aatgtttcaa	aatcatagtt	ttaatgtgtt	600
ttgaaaaggc	cacacaatta	tacttttatct	tttcttaata	atcctgcaaa	tctctgccct	660
gaatccgaaa	tctgaaaatg	tactggcttg	aacaaaat	gttttgtgtg	ttagagttat	720
aaatcattaa	tctttatttc	gggtggttta	cgtttatgcc	agttccttta	tatttaaatt	780
tcttgtttta	tatatattga	atgtctttat	agatttcttt	aaatttcctt	atagaacccat	840
taatagaaaa	tattacatt	taaaatatac	cttacagcaa	aagcatccaa	ataagtatag	900
ggtttatgtc	cttatttttc	tttcagctga	atacgaatga	acacagtggt	ggaatttctg	960
aggggaagtg	atgaaattat	atttatttca	gtgggcactt	ttccatttta	ccactgtacc	1020
attatttggg	tcctggagtt	atacactaat	tttcagtata	ttactgttaa	attaccaaca	1080
caaggcaatt	tatttgaaag	attccgttta	tcctgccatt	gctttgaaaa	gcagcaggaa	1140
acgaaatcct	ttgacttgta	tcagcttctg	cagagcatct	ttgttttcct	ttgtcctttg	1200
tttcctacct	tttgaatcag	attccgtttt	agtcagggaag	acttcttggg	accattctta	1260
gtaacctgaa	atttcttttt	taattgcatg	aagtggattg	atcatgagca	aatgatgtgc	1320
ttatttctcc	ctcactgttg	aatatctttg	aacttgctgt	tttcaatatg	ggcagcacia	1380
aggtgagaga	tacatattaa	tagtagtatg	tattactctt	atacattaga	tacctatatt	1440
taaatgaaag	gcccaatttg	taaacatata	cattcatatt	ctctcttgcc	ccaagtttta	1500
ggaacatgtt	aggatatagg	agacttaatt	tataataatg	agagcatttt	tttattttac	1560
taaagccatt	tttatagtc	actatctttt	cttatttgtg	tgattagaac	ttagaaaaat	1620
atttactagt	tgaagttatt	atcagttttt	aatttagttc	ttaaactcat	ttcacttcta	1680
ataatttctg	ttataaattt	ccagcatttt	aatgaaaatc	taatgatgta	ataggcattt	1740
tctttatttg	aacctacctc	ttttattttc	tgaaccaaag	agaaagatgg	actgggtgtt	1800
gtgaaacatt	tttaaaaatg	tagtttcatt	tatatagttt	atgtttgata	aatgtctcag	1860
tattttttata	atatgataag	cctgggattc	tacttttagg	gttatttgta	cttttgagta	1920
atatataaag	tgacaatatt	aaggtacatg	atcagctctt	tctattttta	ctcgtaaaaa	1980
ttatggaaat	gaataatttt	gctaacaact	ttgaaatttc	aaacttctgg	aaaatatgaa	2040
aatattcatt	gttcattatg	aatttaaatt	gtaagggtatg	aatgtgattt	gtctgtacat	2100
cttgatatctt	ttccaaaaaa	tgattctgta	tcttttgga	aaaagccgag	agttgaagat	2160
agtatatttc	tggtagtact	gaatattttac	ttacagtttc	tatcaaaaat	atatatttgt	2220
ttctaaaaaa	aaaa					2234

<210> 5244

<211> 1011
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1012)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4)...(526)
<223> similar to gil550785 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5244

cccggtcg	cccacgcgtc	cgaccagcag	gcggagaggc	aggtgagggg	catgttccgg	60
gaggacgtcc	taaaatggat	ggatcatcgtc	ttcaccagga	aggaggacct	ggccgggggc	120
tccctgcacg	attacgtgag	caacacagag	aaccgggcct	tgcgcgagct	ggtggccgag	180
tgcggggggcc	gggtctgtgc	ctttgataac	cgggccaccg	gccgagagca	ggaagcccag	240
gtggagcagc	tgctggggat	ggtcgagggc	ttggtgctgg	agcacaaggg	cgcccattac	300
tccaacgagg	tgtatgagct	ggcgcaggtg	ctgcgctggg	caggccctga	ggagcggtc	360
cggcggtgg	cggagcgcgt	ggcagccagg	gtgcagagga	ggccatgggg	cgctggctg	420
tcggcccggc	tgtggaagtg	gctgaagtcc	cccaggagct	ggaggctggg	cctggccctg	480
ctgctggggg	gcgcgtcct	gttctgggtg	ctgctccaca	ggcggtggtc	ggaggccgtt	540
gcggaggtcg	ggcctgactg	acagcgcagg	tcctaaaact	gaaggcaact	tggttaaggg	600
aggctgaatt	cttgagctg	aagggaac	ttcattccaa	cgggaaggaat	cctgtagttt	660
caggcatagt	tttaatgaca	cagaaaactt	tgctgcatca	cctttgcaac	tttgccaaag	720
ctcagagttc	actttttaag	tttttaactc	attttaaatg	atgtgtatgc	agagttttaa	780
aataaattcg	tctaacaata	acttcctttg	gtagttttgg	tagtctaata	tcaagtagct	840
tgtagtgggg	acaaacgcat	ggcacaggga	aaacaagtgc	cattattttc	gagcttttta	900
aaaaatttag	actgccctc	cttgataatt	ttctagttct	tatacatggg	tagatagggt	960
cctttgtgat	ccttgtagac	ttttagcatc	aataaaagaa	atgtgnggt	a	1011

<210> 5245
<211> 1201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1135)...(519)
<223> similar to gi3327094 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5245

tttttttttt	ttcattctaa	gagcagtttt	tatttagaaa	tgtgcttcca	caacttggtg	60
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gccacctggg ggcaggtagc cccggcttgc ttgttctctc tttcctagcc caggaatcgg 120
gtccttgggt ctaaagcaca gggccaagtt ctcaaggatc aacatcccag acagctccca 180
tggtctgggg cttggagctg gtatgaaggg tgaaccaggt tccatcctgg actgtttatg 240
gttggagggc ctggggccct ggcaccagga cctcagctcc ctctcctagt aagagctggg 300
atcacccaca ggccagctgt ggccaggtcc tggtgatata gacattggga agaacaaggg 360
gctaagagag gctaattttc tggtgctgga tccagtttat cttcctgagg ggtggaagcc 420
ggggcaggag cctcatcccc accattgagg gacttctgct gctcattgct gttgggcgag 480
ggggtcctgt tgccctggga tccccagcgg gtcaggcgct ttagggagga gtcacggtgg 540
gcaagcagag ggggctggaa gcctgagaag gagctgctgg tgaccggacg cttatctcca 600
ggctcaattg gatgcatcag ccggttcac tggacattcc agtgtttcac gttggtgctg 660
gcctggcgca gttttctctg ggcagcctcc acatcctcgt cagccctctg ccggttctgc 720
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agctgcatca actgcttcag cttctcttcc tctcttcca gcagtctggt ctgagcgatt 900
cgcacagatt cttcatctcg ccgagctttc acctctagtt gcagggcctc ctgcaaccgc 960
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agcgcctgct gcagctcgcg gtgctggctg cggcgcggtt cctcctctc ctgcagcagc 1140
cgctcggcct gccgatgcgc ctctcggac gcgtggcgcg acgctggggc ggacgcgtgg 1200
g

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<210> 5246
<211> 1605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1606)
<223> similar to gi6002605 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5246
atgggcatcg tggagccggg ttgcggagac atgctgacgg gcaccgagcc gatgccgggg 60
agcgacgagg gccggggcgcc tggcgccgac ccgcagcacc gctacttcta cccggagccg 120
ggcgcgaggg acgcggacga gcgtcgcggg ggcgccagcc tggggctctc ctaccggggg 180
ggcgcttggt tgcccgcccc gccgagccgc ttccttgagg cctacgccta cccgcccgga 240
ccccaggcgg ccggttccc cggcgcgggc gactccttcc cgccgccccg ggacgccgag 300
ggctaccagc cgggcgaggg ctacgccgcc ccggaccgc gcgccgggct ctaccggggg 360
ccgcgtgagg actacgcgct acccgcgga ctggaggtgt cggggaaact gagggctcgc 420
ctcaacaacc acctgttgt gtccaagttt aatcagcacc agacagagat gatcatcacc 480
aagcagggac ggcggatgtt ccattcctg tcatttactg tggccgggct ggagcccacc 540
agccactaca ggatgtttgt ggacgtggtc ttggtggacc agcaccactg gcggtaccag 600
agcggcaagt ggggtgcagt tggaaaggcc gagggcagca tgccaggaaa ccgctgtac 660
gtccacccgg actcccccaa cacaggagcg cactggatgc gccaggaaat ttcatttggg 720
aaactaaagc tcacaaacaa caagggggcg tccaacaatg tgaccagat gattgtgctc 780
cagtcctctc ataagtacca gccccgctg catatcggtt aggtgaacga cggagagcca 840
gaggcagcct gcaacgcttc caacacgcat atctttactt tccaagaaac ccagttcatt 900
gccgtgactg cctaccagaa tgccgagatt actcagctga aaattgataa taaccctttt 960
gccaaaggat tccgggagaa ctttgagtc atgtacacat ctgttgacac cagcatcccc 1020

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<400> 5248

caacttcaga	ttaccagaat	gacaaggact	agaattggat	atttcaggcc	actgctctca	60
gccagacccc	accaggccc	agcctcacc	tgcagggtct	agagggcact	ctgatggttc	120
taaaacatcc	ctaccaaga	aaagtggaag	aaccctccat	ttatgaatct	gtccgggttc	180
acacagcaat	gcagacagga	agaacagaag	atgaccttgt	gcccacagca	ccttctctgg	240
gcaccaaaga	aggttacctc	accaaacagg	gaggcctggg	caagacctgg	aaaacaagat	300
ggtttactct	gcacaggaat	gaactgaaat	acttcaaaga	ccagatgtca	ccagaaccaa	360
ttcggatcct	agacctaa	gaatgttcag	ctgtacaatt	cgattattca	caagaaagg	420
taaactgttt	ttgtttggta	tttccattca	ggacatttta	tctctgtgca	aagaccggag	480
tagaagctga	tgagtggatc	aagatattac	gctggaaatt	gtcacaata	agaaaacagc	540
tcaaccaagg	ggaaggcacg	atccgatctc	ggtcgttcat	ctttaaata	atctttcttg	600
ccaaggaatg	ctctggccca	ggagcaagg	ggaatgtttc	cctgacgctg	tgatctgcag	660
caggcttcaa	atgaaaaccg	actaaggatt	ttctttcaaa	aacaaatcag	aagcagatgc	720
tgattgggac	ccatatacca	cgttgctgac	tcacgttgct	gcccttccat	gatgttgcca	780
tctccttgag	aacactgaag	caatcaccat	tctgatagaa	agtgtttaa	ccaccactct	840
taggtctgct	cactcttaga	acacacaatg	gaagaggaag	ggtttttgtt	ttcactcatt	900
gtgggtccca	agcctattga	cactagtgtg	ctagagtccc	actgtgagtc	atggtcagcc	960
tgtctgacat	ccagggttgt	ctattaacca	agaaggaaac	agatacttgg	aggcttagat	1020
gacttctgca	ggatttatat	tcagatagaa	aacatcaa	attttcagg	gagaggtttt	1080
ttttttta	ttttccccct	ttatacaaaa	aaaaaa			1116

<210> 5249

<211> 1189

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1190)...(967)

<223> similar to gi3002527 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5249

aggaggaag	agagagagag	gagtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	60
gtgtcagggt	tgggaccaga	gcaggaacac	acgcaagaag	ggactgagaa	ttgtatcaac	120
agcgcaaaag	aagtcaaagg	aattacttac	gcataaaatg	aggactgttc	ctcagagatg	180
agtcagtcct	gagaagccaa	ccaagccggg	tactctgagt	ctggatccga	ccttgctaga	240
aatacggctc	gaggcagcag	aggttctatg	agagtccaca	gaaggtcagc	acaggctaag	300
gtaaaagcag	ggcaatagg	ttcttgtgtt	ctattggcga	aagtagaata	gaatagaaca	360
gaaaaactga	gtgggcaaaa	tgagaattgg	caaaaaggta	tcattaggct	catacctacc	420
acaactctac	agccctacca	cttaccagaa	tggatagatt	cctagtcgtg	taaccataaa	480
aacagcactg	aagatcacaa	aaagggtgtc	acagagccgc	tgatacttgg	cataattggc	540
cagtttggtc	gcctggagaa	aggaagaaag	aattgagctg	gggagaaagt	cattcctctc	600
ataggaagaa	aagaagagaa	gaagaagatg	gagaaagaga	gattgggttt	ttacctccag	660
caagaagtct	gagacatcat	gtagacacat	gatcagagtt	cccactcgaa	tcatattggt	720
gatgtaggag	aaggagataa	gccaatggt	gaccaagtga	tgacaaaaca	tgatcaggaa	780

<210> 5251
 <211> 2996
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2555)...(2220)
 <223> similar to gi3880026 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5251
 tttttttttt tttttattttg tatttggtttt attttaaattt tacagaaacc tgatcagagt 60
 taagtatgta attataagtc cagtaacaat ttctacaaaa atgcacatac aatgccagaa 120
 ctctcttaaaa gcaactaata tcatatttgt gttttgcata aaacatgcat taatatgttg 180
 gccaaaatca gtctctacaa gaagagacag tccaatacag tcaataagaa aactagttgt 240
 gaacaacagg taaaaaaaga ggtttccagt taatgtgaaa gaaggaatag tacctttcat 300
 aaaacaagcc cttcagcgct gagttaactg atcgg tacta ttgtgctgca cgtaatgtaa 360
 cacatcacct ccaagacttg gtcctgattg gtcataaggaa gtaagggact ttctggtagt 420
 tacatcagat atttgagaag attaaaagt ttccggacat gatgggtatac taatagtgca 480
 accttgcaaa aagggttcga aacattgtca gacttggaag agttccccag cttgataaac 540
 aacctcaaa acaccccgag cttttgaacg gagccctctg cacaaggcca gctcagggct 600
 caccagcatg tcctgtggcc acaagacctt ccagctccac ataccacctt tcgtgaggat 660
 ctgcaattag gagcctgagt gccgaagaac atggttgtgc catttctttg aggctttgac 720
 tttttataag gcctagtcca tctcatccag ggattgggca ctgcaatgaa tacacagatg 780
 ctggacacat aaggagtatt aatatacatg gtggccccc agcctgaaat gcttttatta 840
 acatacatca aggtgtgtct ccgactgtca ggaaagacct tggctctcca gaggcagaga 900
 gaagctgagg gttctctatg tatcacaagg catttcctac atagactgag ggggtgttaa 960
 gagatctcat atcaactgaa aggacttccc ctcaaatgtg gggctctgta caaccttcca 1020
 tgaggatctt caaaaaaaag atctcatagt cgtaggggaa gtggcgggtg acattaacat 1080
 tatatacaca aaactcatca ttcgtgcagc ctcgggcctt gtttgtaatc tcttccacag 1140
 tctgtctctt ccaaaacagg gctccctgcc ctgcttattt caagtaagct aagtcaggat 1200
 ctgttttctt tagcagattc aagggggaaa aataataatt tattgggggt ctaataacat 1260
 tttcataaca gaatatcaaa ataggtccat ttttgatata tgcttatgaa tatccctgat 1320
 aatatcaaga aatccagagg acttcgtaaa ccaccaagat ttcacagggg tgagaccggg 1380
 tctgttttct aggcagcaga gaaggggacta gtatacgggc aaatgttctc caggaagccc 1440
 tgtgagcact acagtactga aattctaatt ctagtgccaa tagaatcatg aacgaaaatt 1500
 tcacttgaac tgtattagta aaattcataa caaaggcttg cttcctcaac cctgtcatct 1560
 gttaatctct ccgcctgtga cagacatcca gaccagaaaa ccatcagtc tggctactct 1620
 ggaggttggg cctagagaaa acaagcccca agatcctttc taagctatga ccaaacctca 1680
 gaaaacaggg acgtgaaaga aggagcagac caggcttgag gaagctttga cccaaggcac 1740
 cacgatcata ggggcgaggg gacctgtaga ggttttaggt gacgggaaga gacgcttccg 1800
 tgatgcctgc ggaggagggt ctggaaggca acagctctgt ggcaaaacac acacatctgg 1860
 gagtgaataa acagatcatt aaacaagacc ccaatttgct ttctcaaaac aaaatcaaac 1920
 ttaaaaacta tgcaataaac cctgggtgca ctggagtagg agtacactgg agaagtctgt 1980
 ggaatgagct gcatcagctg agtcacagag gacgctggct gtgaagttag catccacacg 2040
 gtggctactg cagctaaaga gaatgaaggg agcgcgaggc ctctccaaac agaggaggac 2100
 ggaaaggggg ccaaagtga accacacctc ttttattcca agaattggaa gcgcattttc 2160
 attggcttga atgagaaagc ttcatactcc actctagctg cagtaatact gcatcccatc 2220
 cactcttctt ctcttttttg actgaaactc ttcaaagaac tgctgaatgt cctctctctt 2280
 aacaaccgtg ccttcatcag caaatctctt gagatagtct ttaagttcag tcttcaaata 2340
 attgtattca caaatgagtt ccacttgctg gactctattc atgctgctaa ggggtatccat 2400

taggggatcg	ctcctgtcag	tggcctgggc	aatcttcctt	ttgttttcat	aagccagaac	2460
tgtgtcgtat	tcattctgtca	ggaataagac	atctagatct	ccatacattt	tcatacagtc	2520
ttggcaggta	cacaacttgc	tacgccagtt	cagggggccaa	taggtggcag	tgtcttttctt	2580
tataagctgc	ttagctttta	gctcctgaag	tttgcagcca	gattttgatt	ctgcgttgag	2640
gctttcattc	ttaaactctg	tctggagatc	agattcagaa	ctagagccgg	cacatgggttc	2700
actgttctgc	tctactttta	cctcccggac	atcatccttt	ccctgttctg	gaacatcctc	2760
tttgagggtta	ctatcttgat	gctctccatt	ttcagggtttg	ataacttcct	gatcacctat	2820
tccatcaatg	ttccgcacca	atccatcatc	ctcagtggtg	attttgggta	ctgccaattg	2880
tgcagcataa	gcccacaaaa	aagaacaacg	tttcatgcag	gcttggcata	ccatctcctg	2940
aaaatcccca	ctctcagggg	gaatacgaaa	tcgtcgaccc	ggaaattccg	gagcag	2996

<210> 5252
 <211> 1286
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (472)...(1050)
 <223> similar to gi4981020 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5252	
cccgccagag	cgccttcccc
gggtgagtag	gtccggggcc
ggcggggaga	aaggggacgg
agactatgca	aagaaaaagt
gcaaaaggga	ataaacattt
gtggccggag	cagcagctta
agttggcaaa	ttcccattaa
ctgtgtgaag	tcctccagaa
gaaggcaaca	gcaaattctt
tcagtctgga	aagatgacct
gaagatcttc	tgcatggggg
atccaagaag	agagcaaaaa
gctgtcacgg	gagcagggag
tggatggaat	gggataaaca
ctgaattatg	tcattctata
tctgggattt	ttcagttccc
gtcagtttgc	aagggaagcc
gaggacccta	ctgttgctgc
ctgggacaag	aaaccacccc
attgtccagg	gccacattga
gcacagggtga	tccttgaaaa
agaccagcct	gaggaacata
gcaaga	

<210> 5253
 <211> 1380
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(925)
 <223> similar to gi307487 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5253
 atggggctcca ggctgctctg ttgggtgctg ctttgtctcc tgggagcagg cccagtaaag 60
 gctggagtca cacaaactcc aaagcacctg atcacagcaa ctggacagca agtgacgctg 120
 agatgctccc ctaggctctg agacctctct gtgtcctggg accaacagag cctggaccag 180
 ggctccagt tcctcattca gtattataat ggagaagaga gagcaaaagg aaacattctt 240
 gaacgattct ccgcacaaca gttccctgac ttgcactctg aactaaacct gagctctctg 300
 gagctggggg actcagcttt gtatttctgt gccagcagcg tcaaagtagg caccggggag 360
 ctgttttttg gagaaggctc taggctgacc gtactggagg acctgaaaaa cgtgttccca 420
 cccgaggctg ctgtgtttga gccatcagaa gcagagatct cccacacca aaaggccaca 480
 ctggtatgcc tggccacagc cttctacccc gaccacgtgg agctgagctg gtgggtgaat 540
 gggaaggagg tgcacagtgg ggtcagcaca gacccgcagc ccctcaagga gcagcccgcc 600
 ctcaatgact ccagatactg cctgagcagc cgctgaggg tctcgccac cttctggcag 660
 aacccccgca accacttccg ctgtcaagtc cagttctacg ggctctcgga gaatgacgag 720
 tggaccagc atagggccaa acctgtcacc cagatcgtca gcgccaggc ctggggtaga 780
 gcagactgtg gcttcacctc cgagtcttac cagcaagggg tctgtctgc caccatcctc 840
 tatgagatct tgctagggaa ggccacctg tatgccgtgc tggtcagtgc cctcgtgctg 900
 atggccatgg tcaagagaaa ggattccaga ggctagctcc aaaacatcc caggtcattc 960
 ttcactctca cccaggattc tctgtacct gctcccaatc tgtgttcta aaagtgattc 1020
 tcaactctgt tctcatctcc tacttacatg aatacttctc tcttttttct gttccctga 1080
 agattgagct cccaaccccc aagtacgaaa taggctaaac caataaaaaa ttgtgtgttg 1140
 ggctggttg catttcagga gtgtctgtgg agttctgtc atcactgacc tatcttctga 1200
 tttagggaaa gcagcattcc cttggacatc tgaagtgaac gccctctttc tctccacca 1260
 atgctgcttt ctctgttca tctgatgga agtcctcaa caccatttcc ataccaggc 1320
 attctgggtc cccactggag ggtagtctg aagggcaatg gctgggcttt ggaaaaccag 1380

<210> 5254
 <211> 829
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (427)...(306)
 <223> similar to gi3550833 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 5254
tcggaattcc cgtgtcgacg atttcgtata cagcctcctg agtagctggg attacaggct    60
ccaaccacca tgcccggcta atttttgtat ttttagtaga gacagggttt caccatgttg    120
gccaggctgg tctcgaactc ctgacctcgt gatccgcctg cctcggcctc ccaaagtgtc    180
gagattacag gcgtgagcca ttgtgcccag cccaacctct atttttttgg tggtttcaac    240
tttattcact gcggagctga acttaggacc attatcagaa caggatctca attcttttct    300
tactgaacca tccttgcgat gtactcgtcg aggtaacagc tattgaattt gaccaagttc    360
accagcacca gaaggaattc cgaggacaag ccaacatcca tccactgcag gacaaagtca    420
gctgggggag aagcggcggc agtttgcgag gacgccgaat ctacatctcc cactcacctc    480
cccctcccgc cgcaggacag tgtgtccaaa cccgtcactg ccagaaacct catcatcagt    540
ccccggcgag caacagacag accacgcact gggcccgaag aggtcaggag gagcccaggg    600
caggccggct acgcacggac actaggatct accgcccctg gggctgcaca gaggggtctgt    660
gccgaggcgg cagcagaagt gtgtatgccg tacactcagg gcccaacctg aggtcgggag    720
acgcccacat caccagactc ctgggcgttc cccaccccca gcagagaacg gctcggagga    780
gacgtgtgca cacttggtcg ccggccacgt cacctcagac aggaaaacct    829

```

```

<210> 5255
<211> 3271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (717)...(1897)
<223> similar to gi4322670 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5255
ctcagaccgt gcagaatggt acattgtcgc tcaactctgcc catcacgtgc cacatttget    60
tggggaaggt acgtcagcct gtcatatgca tcaacaacca tgtattttgt tcgatttgta    120
ttgatttggt gttgaagaat aatagccagt gtccagcttg cagagtcccc atcaactcctg    180
aaaatccttg caaagaaatt ataggaggaa caagtgaag tgaacctatg ctaagccata    240
cggtcaggaa gcatcttcgg aaaactagac ttgaattact acacaaagaa tatgaggacg    300
aaatagattg tttacagaaa gaagtagaag agcttaagag taaaaatctc agcttggagt    360
cacagatcaa aactattctg gatcctttta ccttggtgca gggcaaccaa aatgaagaca    420
aacatctagt cacagataat ccaagtaaaa ttaaccaga aactgtagca gagtggaaga    480
aaaaactcag aacagctaata gaaatctatg aaaaagtga agatgatgtg gataagctaa    540
aggaggcaaa taaaaaattg aaattggaaa atggtggtct ggtgaggagg aatttacgac    600
tgaaggctga agttgataac agatcacctc aaaagtttgg aaggtttgca gttgctgctc    660
ttcagtccaa agtagaacag tatgagcgtg aaaccaatcg cctcaagaaa gccctggaac    720
gaagtgataa gtatatagag gaactagaat ctcaagttgc acagctaaaa aattcaagtg    780
aagagaaaga agctatgaat tccatttgcc agacagcact ttctgcagat ggcaaaggga    840
gcaaaggcag tgaggaggat gtggtgtcaa agaatacagg cgatagtgcc agaaagcagc    900
ctggctcate cacctccagt tcttctcacc tagcgaagcc ttccagcagc agactgtgtg    960
acaccagttc tgcaaggcag gaaagtacca gcaaagcaga ccttaactgt tctaagaaca   1020
aagacctata tcaagaacag gtagaagtaa tgttagatgt gacagataca agtatggata   1080
cttatttgga aagagaatgg gggaataaac caagtgactg tgtaccctac aaagatgaag   1140
aactttatga tcttcagct ccttgtaact ctttgtccct tagttgcctt cagctcagta   1200
ctccagaaaa tagagagagc tctgtggtcc aagcaggagg ttccaaaaag cactcaaacc   1260
atctcagaaa attggtgttt gatgattttt gtgattcttc aaatgtttct aataaagatt   1320

```

cttcagaaga	tgatataagt	agaagtgaaa	atgaaaagaa	atcagaatgt	ttttcttccc	1380
caaagacagg	attttgggac	tggtgttcca	caagctatgc	ccaaaactta	gatttttga	1440
gttcagaggg	gaacacgata	gcaaattctg	ttggagaaat	atcttcaaaa	ttgagtgaga	1500
aatcaggcct	atgtttatcc	aaaagggttg	attctattcg	ctcttttgaa	atgaaccgga	1560
caagaacatc	cagtgaagca	tcgatggatg	ctgcttacct	tgacaaaatc	tctgagttgg	1620
attcaatgat	gtcagagtca	gacaacagca	agagcccttg	taataacggt	tttaagtcac	1680
tggatttgga	tgggttatca	aagtcacctc	aaggcagtga	atttcttgag	gaacctgata	1740
agttggaaga	aaaaactgag	ctaaaccttt	ccaaagggtc	tctaactaat	gatcagttag	1800
aaaatggaag	tgaatggaaa	cccacttctt	tttttctcct	ctctccatct	gaccaagaaa	1860
tgaatgaaga	tttttcactc	cattccagtt	cttgccagtt	aactaatgaa	atcaaacccc	1920
caagctgctt	gtttcagaca	gagttttccc	agggcatttt	gttaagcagt	tcacatcgac	1980
tatttgaaga	tcaaagattt	gggtcatctt	tgtttaagat	gtcctcagag	atgcacagtc	2040
ttcataacca	ccttcagctc	ccttggtcta	cttcctttgt	gcctgaaaag	aggaataaaa	2100
atgtgaatca	atcaacaaaa	aaaaaaatcc	agagcagcct	ttccagtgcc	agcccatcaa	2160
aagcaactaa	aagttgattc	attagaaagg	tgtcatttgt	ggttttgtcc	tgagagaaat	2220
agaaaagttg	ttaaagttac	cttttttctc	cataaaagtt	ctatacaaat	tgggaattgat	2280
aatcttttagt	caagtatcaa	gtcaggatgg	tggattaacc	ctgtacccag	aatacttatt	2340
gttcatttttg	aaaagacttt	gttcttttca	tttttatttg	ggagtctttg	tgaccagaga	2400
agttagggag	gaggttattt	ttgtgttttg	gggttggttg	gttggttggt	tttgtttttg	2460
gttttgtttt	tttactgaat	ttgatatgta	tctcggttgg	atatacattg	tttttttaaa	2520
aaatgttatt	taactgttag	atacagtggc	ctgttgataa	gcctcacttg	tcttcagaac	2580
ttgggatttc	ttaaataaaa	cttttaggtg	ttgtctatac	actgctcaat	aagacacttg	2640
agtttaagct	tttcccaggg	tgggaaatta	ttttacctgt	ccctttttat	ttatgttttag	2700
tgatggccta	gtttttctgc	agggccatga	tggagaaata	gcactctagc	cttagtccaa	2760
tattgattta	ctttcttttt	ttagggtttt	tgtatatgtt	tgcatTTTTT	agcattgtgt	2820
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catttgtttt	atgttaggta	gcttacattt	tctcctctgc	gtgtgtgtgt	atgtgtgtaa	2940
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aaaacatcat	agcttcattg	ttccagatgt	aacagggttt	aaagagctca	tcgccaagtt	3060
cttgatccac	ttgcattcca	ggggagtttt	cttttgagta	gtatgtttct	tgtttgcatg	3120
ttcctgttct	ttgtggaaac	tatgcatggg	agcatttttg	cttgctgtgt	tttccatact	3180
taagaaaaag	agggtttcagt	tggctgatag	aatatctttt	atgtaggaca	aaacttttct	3240
ggtcgacgcg	gccgcggctc	acgcggccgc	g			3271

<210> 5256

<211> 8519

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)...(3853)

<223> similar to gi3763972 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5256

tttcgtagac	gagaggaaaag	taaaccgcat	tcagcaagta	accaccaatg	gggagatcta	60
catcatcgct	ggtgccccca	ctgactgtga	ctgcaaaatt	gatccaaact	gtgactgttt	120
ttcaggtgat	ggtggctatg	caaagatgc	aaagatgaaa	gcccttctct	ccttagcagt	180
gtcgctgat	ggaacctctc	atgtggcaga	cctcggaat	gttcgaattc	gtaccatcag	240

caggaaccaa	gcccacctga	atgacatgaa	catttatgag	attgcttcac	ccgctgatca	300
ggaactgtac	cagttcactg	taaatggaac	ccacctacac	accctgaact	tgataacaag	360
ggactatggt	tataacttca	cctacaattc	tgaagggtgac	ttgggcgcgga	ttaccagcag	420
caatggcaat	tcagtgcaca	ttcgccgtga	tgcaggcgga	atgccgctat	ggcttgtggt	480
gcctggcgga	caagtatact	ggctgactat	aagcagcaat	ggagtcctga	aaagagtgtc	540
agcccaaggc	tataatctgg	ccttaatgac	ctatccagga	aacacagggc	ttctggctac	600
caaaagtaac	gaaaatggat	ggacaaccgt	ttatgagtat	gaccccgagg	gacacctgac	660
caatgcaacg	tttcccactg	gagagggtcag	cagcttccac	agtgaacctg	agaagctgac	720
aaaagtggag	ctagatactt	ccaaccgtga	aaatgtcctc	atgtcaacca	acttgacggc	780
aactagtacc	atatataattt	taaaacaaga	aaatactcaa	agtacctatc	gggtgaatcc	840
agatggttcc	ctgcggtgtca	cttttgccag	cgggatggag	atcggcctca	gctcagagcc	900
ccacatcctg	gcaggggcag	tcaaccctac	cctgggcaaa	tgcaacatct	cattgcccgg	960
agagcacaat	gcaaacctca	tcgagtggcg	gcagagggaag	gagcaaaaca	aaggcaatgt	1020
ttcggtcttt	gaaaggaggc	tgaggggcca	caacagaaac	ctactctcca	tagattttga	1080
tcatataacc	cgcacaggaa	agatctatga	tgaccatcga	aaattcaccc	ttcgaattct	1140
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aatggaatat	gaccagagt	ggaaaattat	ttcaagaact	tgggctgatg	ggaaaatttg	1320
gagctatacc	tacttagaaa	aatctgtgat	gcttctccta	cacagccagc	ggcgttacat	1380
ctttgagtat	gaccaaccag	attgtctgct	ctcagtcacc	atgcctagca	tgggtcgtca	1440
cagcttacia	accatgcttt	cagtgggcta	ctaccggaac	atctacaccc	caccggacag	1500
tagcacttct	tttatccaag	actatagtcg	agatggccga	ttgctacaga	ccctgcatct	1560
ggggacaggg	cgcagagtct	tatacaagta	caccaagcaa	gcaaggcttt	ctgaggttct	1620
ctatgatacc	actcaggtca	cattaacata	tgaagagtct	tctggagtga	ttaagacaat	1680
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<210> 5257

<211> 932

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (12)...(881)

<223> similar to gi495144 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5257

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<210> 5258
 <211> 2536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (23)...(978)
 <223> similar to gi3372651 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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ccgctgctat	aatgttaaga	gccgagagt	tgtggagcag	ttacagctgg	aagaccgggt	180
cctctgcctc	cacagtagat	ggcgaatcct	ctatgcggga	ctggcaaatg	gcactgtggt	240
caccttcaac	ataaagaaca	acaaacgact	tgagatcttt	gaatgccatg	gccctcgggc	300
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004373.01100


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<210> 5259
<211> 4201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1394)
<223> similar to gi5911845 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

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catactgcct	ttctttgcat	ggcttggacc	ctatctgtga	ccatgctctt	ctcccaattt	1740
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tactttatgc	tggctgtgtc	ctgataccca	tgtacttatg	gtaagctatt	tgggtattac	1860
cactgcaaga	caaaactgat	atcttaaccc	ggccatcaac	ccaaattgga	cattccagac	1920
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tgatagaaca	agctgggtggc	tgatgggtga	ctgctaggcg	tgactgaggt	aatagatgaa	2040
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ctttatatgt	gtggaagatt	aatggtatat	gctccttatg	tcactgtttt	tgagtaaaat	3720
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gtcttgtgaa	aataacctca	aaaagaaaaa	tacgactctg	ttgtcttact	tgatatttct	4020
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tctgtcaaac	tcaatgatca	tttagtactt	ttgtcttctc	ccatgtgctt	gaaggaaaaa	4140
taaagtgtca	ctaccgtatt	tcttggtttt	atcaaaaaat	aaaaataatt	taaaaaaaaa	4200
a						4201

<210> 5260

<211> 1385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (217)...(486)

<223> similar to gi643 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5260
aattaataca ttttgtgctt ttattcagct catcttggtg taaaaggagt ttgctcaggc 60
aatgaattat gtcagattag gaataggtct tgaccgatct acagatatgc agtattgatg 120
gaaaaaggat ccctacttag aatagtttct ctggagttag tataactgcc tttattaaaa 180
tgtttctatc tcttgtaaca atttcataat tgtatagttt ataggcaagc aataaacagc 240
aagatgtttg aggtggatat gaaaattgct gaaatgcatg taaaaagaaa gcaactccat 300
caactactac ctaatcatgt gcttcagaaa aagaaaaagc attcaacaga aggtgtcaaa 360
ttgacagctc tcaatgacag cagcctcgac ttgtctatgg acagggataa cagcatgtct 420
gtgccttcac ctactagggc tacgaagacc agtccattga acagtctctg cagctctcag 480
gggtaaggaa aaagagggaa atagaagtgg aggggctgtt tgctaaatca atcagataca 540
ttctcttttt gctattaaag tcatctattt agaattgttatt tttcattcca tctactaatt 600
ttttttttaa tagcaattta attcccaggt ttggggatag tacttttttg ttttgtcttg 660
tcatacttaa cattttattt ttgagactga taatgtcttc agtcagatgt gaatgaatgt 720
tagcacataa cccctccaaa ttcatgtatt tagatagcta ctgctacagt gcactgtatg 780
gtgtgctgat gagaacagac aaaaggaaca aaaccacctt tctgtcccag agctgcttat 840
acctttgtaa cagggaatgt gtctatgata gttagggaaa cctgttttag aagagctaga 900
tatctgtcta acatttacag cagttaaaat tttaaaaatt tattattatt ttgagaaatg 960
gggtctggct gtgttggtta ggctggcctt gagttcctgg atttaagcga tcctcctact 1020
tcagccttct gagtggctga gactacaggc gcatgccact gccctgggta tgaagcagtg 1080
aaaaattttc agccaggtgc agtgactcac acctgtaatc ccagcacttg gggaggctga 1140
ggtgtagga tcacttgagg ccaggagttc aagaccggcc tgggcaacgt ggtgagactc 1200
ccatctctag aaaaaagtaa aagaattagg tgtggtggta tgcacctgta gtcgtggcca 1260
ctcaggaggc tgaggtggga ggattgcttg aacctgcaag gttgagacta cagtgaactg 1320
tgatcccact gctgttgccc ccagcctggg caaccagagt gagaccctgt cttaaaaaaa 1380
aaaaa 1385

<210> 5261
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(58)
<223> similar to gi2224405 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5261
agcggccggc cttttttttt tttttttttt tttttttttt ttttatgctt atgaatctat 60
ttaattgctc agactgtgct agagaatacg taccatgaaa tacatatatt tcataagggtt 120
cagttacaaa atggattgtt tcaaatggca atttcttaca ctaacctgat tatgaaaaaa 180
agaagtctgt atcatctgct tccaagtctg ttatgtccaa atatatttta attatgcatt 240
tattttgcta cttttataaa tattagagat ttcaccttaa attatttttg taactagttc 300
tagaacatgt tttccaatta ttatttttct aatggagaca tataattgac ctatgtttat 360
gcatatatgt tctctacaca gtgaaacttt ttttaaaaag aatagtaaag aaaatgcgga 420

agctctggct ctccaaggca aagtcaaaaa aaaaa

455

<210> 5262
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (208)...(283)
<223> similar to gi2204218 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5262
tttgtgctgc aaccaggtac tgtgatttct cacctagttt ccatagctct tgtgaagggtg 60
ttttcgtgca tggatagtgt tcaaattgat gtttctgtta ggggacaatc actggagagt 120
cctattcttc catcttattc tgcccctctc ctccaaaaag gtcaacttgt aactgctttt 180
ttcaaacc aa tattcaatca gtttatgaac cacatgagtc agaatcatca gaatatccca 240
ccaacaaata cagagagaag atcaagatcc tgtacaatac tataaatata tttttatggt 300
ttcacagtca cccagtgtat tgtaatgtat acttgaaaaa tggtataact tatgaaggac 360
agtttctgat gagagtcttt ataagatata agacttaat 399

<210> 5263
<211> 2255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1881)...(1012)
<223> similar to gi5912357 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5263
tttttttttt ttactttcat taagtgtc tttattat tttatgaaaa gtttaaaatg 60
ctcccaatga gttcatcagt tatcaagctc acatgagtta ggacacaatc acctttgggt 120
tttcatctca taataagtca gcaaaagttg acatttatct tactagacat ttcccattag 180
ccctaactga aacagatatc aaacacccta gattctcttc agtgcaaagt atctggagtc 240
acagcaattt tagagacaag ctagtgcaat ctagtaattt tcatagtcgc agaaactgag 300
gcctagaagt gatttgtaca tgtgagcagc tagaaccagg acaagaactc cagaacctgg 360
gaccacgtga gagtaaaaag aaagggcacc gagtacagga acaacaactg acacatttca 420
ggtggaaaaa acaagtcaca taactgaaaa ccaaaatcac agttacataa ctattttata 480
ttagcttctc acatataaag tataaaaact cagctatata tggtatgaaa ttgtacaaac 540

ttacacttgt	ttatggccta	aaatthtgtat	aaggacacac	ttatacagat	ttcataaaca	600
atggccattt	ttagaaaaag	ttatatthtgt	ccctgaacat	aatattcata	atttgctttc	660
aaaacaaact	cgaagtaagg	attggacttt	aagcttccaa	gctgatccgc	ttgtagcagg	720
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atcttcacaa	atatactgtc	tttagatact	tcaattggat	catctttgcc	atcagaactg	840
gaccagttat	ctctctgaag	agctttgcaa	aggatttcca	gttttagatc	atttatattt	900
atatcttctt	cctcatcaat	atattccaac	aagtccaaag	ctttcttgaa	atcatattca	960
ttagctcttc	tattttcttc	acagatatat	agaccaatga	gttgtgggtgc	agtcaatact	1020
ggcatcgac	tgagatttag	ctgtttctcc	gccagcagct	gttcaggtag	ggtctcctga	1080
tgacagtaga	agcgctcctg	ctcagccatt	tcttcaattt	tttctttag	catatcctct	1140
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aagtaacgag	tttccatatt	tgccaaaccc	agaagtgttg	catgagcctt	ttctaattct	1260
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tctgctagag	aagcagccca	caggtactgg	cctagtgaag	gaagaggaga	taagagatct	1560
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tggtcgataat	gactagcagc	ctgcagcata	tcctggaaaa	aaagttaatg	tgttatcaca	1920
tgcaaaaagg	gatggatcac	agtatttctg	aagataattt	aagacagcaa	agtaaattag	1980
taagaaaaaa	tactcagggg	ccaggaatgt	tggtcacac	ctgtaatccc	agtgttttgg	2040
gaggtcagag	taggaggatt	gtccttagcc	tgacaacata	gtgagacccc	atctgtacaa	2100
aaaattttta	aaattacctg	ggcatcgtgg	cgtgcacctc	ccgtcccagc	tacttgggag	2160
actgaggcag	gaggactgct	tgagcccagg	aggtggaggc	tgtagtgagc	tataatcaag	2220
ccactataaa	cacgaaatcg	tcgacccggg	aattc			2255

<210> 5264

<211> 719

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (599)...(168)

<223> similar to gil256001 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5264

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gactagggca	gggtatcaga	aggtgatgtc	atcctcgtag	aggacagca	gcagcaggac	180
ggtccagccg	cccagcaggc	ccacgttgtg	cagcaggaag	aggagccagg	gccgcgggtc	240
ccgtactttc	aacatcgccg	ggagcatgtc	gcagagtgtc	acgtagagga	acaggccggt	300
ggccactgcc	aggatccagg	cctcgctctc	ctcgctgact	ccaaccgcga	gtgccacgta	360
gagaccagcg	aaggccgtga	gcgcggaggc	caggttcagc	agcagtgtct	ggcgacagga	420
cagccccgcg	tcagcaagg	cggcgaagtc	ccccagctcg	tgtggcaact	cgtggcagaa	480

cacggccagc	gaggtggcca	gcccgtctt	ccaggaggac	gcgaaggcgg	cgcccacggc	540
cagcccgctg	gcgaagttgt	gcacggcgtc	gcccagagtg	atcatatagg	gcagtagcct	600
caactctggg	ctcagtcctc	tgggctcagg	gttcagcagc	tccgggctct	cctccgccac	660
ctgggaggag	ccttgagtaa	gtcctcgaaa	tcgtcgaccc	gggagttccg	gccgagtgc	719

<210> 5265

<211> 1794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (574)...(1015)

<223> similar to gi3157950 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5265

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cgccagcttg	ggagccctgg	agttctggcg	ggagggaagc	tgtcaaatgg	aagccggtag	120
aaatgagaca	gacgcccgga	gaagcgggga	gccccgcccc	tccgccatag	cagcctcggg	180
cgccgcctct	tcctttccag	cctcccgccc	tcgtctgctt	ccggccctgt	ggcctgggtg	240
ggctctgcag	gctccctcgg	gagtggctct	tgggccgtgg	cccctctggg	aggcctgagg	300
gagctcaatc	ctggtagcaa	cacccctgaa	ttcctgggtg	tgaaaggatg	tggccccagg	360
acccatcccc	gaaggagggtg	ctgagggttg	cagtcagctg	ccgtatcctg	actctgatgc	420
tgcaggccct	cttcaatgcc	atcatcccag	atcaccatgc	agaagccttc	tctcctctc	480
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tgtctgccag	gctcagcccg	ccccattcct	gagcctttgg	tacagttagc	tgtagacaag	600
ggctaccgga	ttgcagaggg	aaatgaaccg	ccttggtgct	tctgggatgt	tccactaata	660
tacagctata	tccaggatgt	ctactggaat	gttggtcttt	tgaaatacta	tgagctcaag	720
caggtgcccc	atcttctact	ggctgcacca	gtggctatac	tggttgctg	ggcaacttgg	780
acatacgtga	ccactcacc	ttggctctgc	cttacacttg	ggctgcaaag	gagcaagaac	840
aataagacc	tagagaagcc	cgatcttgga	ttcctcagtc	ctcaggtgtt	tgtgtacgtg	900
gtccacgctg	cagtgtctgt	gctgtttgga	ggctctgtgca	tgcattgttca	ggttctcacc	960
agggtttttg	gctcctccac	tcctattatg	tactggtttc	cagctcactt	gcttcaggat	1020
caagagccgc	tgttgagatc	cttaaagact	gtgccttgga	agcctcttgc	agaggactcc	1080
ccaccaggac	aaaagggtccc	cagaaatcct	atcatgggac	ttttgtatca	ctggaaaacc	1140
tgttctccag	tcacacgata	cattctaggc	tacttcctga	cttactggct	cctgggacta	1200
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gccaacttaa	cccaggggtc	tgaaagtaaa	aatacacatt	ggaactgcct	ctgctgccct	1320
gggatcatta	ctgtgtccat	tataatcttt	ctctttctct	ttgaaagctg	gtcaggaatg	1380
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ctatcttctc	tgttaagtga	gattgtcgta	ttccaagtct	aaaatacacc	tggatctgtc	1500
tagtcaatca	acatagcaga	gacagtcttt	aaacctacca	ttgacctgtg	tgtaaattta	1560
aatgttcatt	ttattgaagt	gtaaatattca	tcataaggca	ttagctgtta	ggctggttat	1620
cagtccacac	aagtttgtat	aggcctgaat	tgtgtagtgg	cagtaaaaaa	gtgggaccat	1680
ttttacaaa	tgcgacattg	tttctgatgt	ttttttttat	gattttgtgca	tgtattttta	1740
tatgaaaaaa	acttacaaag	atatgcaaat	taaacttctt	tcagttataa	aaaa	1794

094032520460

<210> 5266
 <211> 1499
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (311)...(910)
 <223> similar to gi3881107 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5266
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 cccacacctc ggccactggg acggcggcgc ggagaaggca gactttaacg ccaaaaggaa 120
 aaagaaagtg gcagagatac accaggctct gaacagtgat cccactgatg tggctgcctt 180
 tagacgcatg gctatcagtg aaggagggct cctgactgat gagatcagac gaaaagtgtg 240
 gcccaagctc ctcaatgtca atgccaatga cccacctcct atatcaggga agaacctacg 300
 gcagatgagc aaggactacc aacaagtgtt gctggacgtc cggcggtcac tgcggcgggt 360
 ccctcctggc atgccagagg aacagagaga agggctccag gaagaactga ttgacatcat 420
 cctcctcatc ttggagcgca accctcagct gcactactac cagggtctacc atgacattga 480
 ggacacattt ctgctggtgg taggcgagag gctggcaaca tccctggtag aaaaattatc 540
 taccacaccac ctcagggtatt ttatggatcc aacaatggac aacaccaagc atatattaaa 600
 ctatctgatg cccatcattg accaggtgaa tccagagctc catgacttca tgcagagtgc 660
 tgaggtaggg accatctttg ccctcagctg gctcatcacc tggtttgggc atgtcctgtc 720
 tgacttcagg cacgtcgtgc gggtatatga cttcttcctg gcctgccacc cactgatgcc 780
 gatttacttt gcagccgtga ttgtgttgta tcgcgagcag gaagtcctgg actgtgactg 840
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 actgatcagc agagcaggag acctttttgt tcagtttccc ccatccgaac ttgctcggga 960
 ggccgctgcc caacagcaag ctgagaggac ggcagcctct actttcaaag actttgagct 1020
 ggcacagcc cagcagaggc ctgatatggt gctgcggcag cggtttcggg gacttctgcg 1080
 gcctgaagat cgaacaaaag atgtcctgac caagccaagg accaaccgct ttgtgaaatt 1140
 ggcagtgatg gggctgacag tggcacttgg agcggctgca ctggctgtgg tgaaaagtgc 1200
 cctggaatgg gcccctaagt ttcagctgca gctgtttccc tgaaagccag agaagacctt 1260
 cctcttacat cacattaagg caccactca ctaccttggc gtcgattttt gggctctgact 1320
 tgactcgtca actgctggtc tctccacct gggtggaaat gtcgttgga acttgcaaag 1380
 actctccaga ccttagggaa caagaggcat cactcagtc ttctgggaca gcttccctgt 1440
 aagcaaagcc aggtttgttc tagattcact ctggccttga aaaaaaagtg ctttttgcg 1499

<210> 5267
 <211> 820
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (718)...(444)
 <223> similar to gi4538665 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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<400> 5267
cgctcgacttt ttttttttcc tggacagcat ttcattttat tatgtaactg tagaaaagcct    60
tgatcaagat aaaaataggg atgacttatc agaaactgaa gaattttctt aggaaagcaa    120
agtttactga aggatacctt cattccagcc atgatgaacg tctgtcttct caggcaatca    180
tgatgaagct ccagggacag tataacccat ctctccact catccctgag ccttggtcct    240
ggactgaatg tggttagagg ttgtggaaat aaaaaaaga accaaaataa gaacactctc    300
cataaaagcc aagctcagag actggtcctc ttttgcttag gtacaacagg agcaggaagg    360
atcaacattc ttgaaagcat accttctatt catttggtt ttttgacttg gggcgccagt    420
gtagagctga gcactccact gccctttctc cactcacaaa tgtctgcata ggtacacgtc    480
cggcacttcc aagcctcctc cacgtcaact ccctggggct ctcggtggcc catccagtag    540
gccatataat gctgcacctt ggctctcacc tccttctctt tgaaggctac aatctcagta    600
cccagcacag tggcagtcct ttggtggata tactcaatct tcaagatata aataactggg    660
aggtctgaca gtgttagaga caagaagaca agttccatga ggtcacccaa agacttcaca    720
gagaagcctc cctgctgggc atgcctcagc actgatggcc ccagtggctt ttctagaccc    780
aactttgtgt ggtggattag gctagcaggg gtcacttttc                    820

```

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<210> 5268
<211> 1046
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (772)...(593)
<223> similar to gil903220 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5268
tttttttttt tgattcgcta caatgagttt attggaacaa cagagtgaac caaagacaaa    60
ggagaaggca gcagagtcac tagtttttca gaagctcttg agggcagccc cggaagggag    120
atgttctccc cacacgcgtg ggctgtctcc tcgcagagtc atagaaccac tatccagggt    180
ccgcgtctcc attccacagg caaaagcaca tgggcagagt cccaggtcgt gcagacaggg    240
acattcccgg gcctcccccg ttcttccaag ctttggggaa gagctcaggc aagaccaatg    300
tatacagcaa aaaaaaaaca gaaggtaggc ggaagaaaaa gatgaatcct cgggacaaca    360
aattgactac caggaaaagc tacagagaga gacctggcg cctcccggcc ctcccggac    420
tcctgcgtcc ggggatggct cccggagcgg agcgggtggg agggcgctta gactgcaggc    480
agcggggcgg gcctactggg aggcggcgcg gggcgggcgg ttctggtggc gcgaggtact    540
ggctgggtgg agagtgcgg cgacaggcgc tggcgaggc ggcagcctcc tagcacctct    600
tacagctgcc gccgcagacg ccaacccggg cggagggggc gcaggcgcta gtagtgccca    660
ccaccacgtt gctgttgctg gggacgctac tgactctggt ggagacaaca ggggcagtag    720
tggaggcgca gagatcgcca cagacaacgc caccgcggga gctgctgacg cctgcagggg    780
aaagagacgg aggcgcgcgt caggcgcagc cgcgacctgg gtgagtggct ttgctgcgag    840
cccacgcgcc ctttgcccag aggtctccag acccgcccag cgggaggagg ggacggaccc    900
cactacttac agacattcac cgagccgacg ccctcgaca gcctgcaggg agagaaggcg    960
agaggtcagt gccgcggaaa aggcgcgggg cccccgtgac tgaagtggag ggggacatct   1020
gtggccctcc atctgggcac ttgcca                    1046

```


<210> 5269
 <211> 1701
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (37)...(793)
 <223> similar to gil067223 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

004870" 2228450

<400> 5269
 gcggccgcgg gggccccgcc tgctgcgcgc gcgggctacg cccacttgct gaacgtgcag 60
 ggccggacgc tctatgacgt catcttgtag gggctccagg aacactcgga ggtgtctggc 120
 ttccttctgg agtgtgacag ctccggtgcag ggcgcgctgc agaagcacct cgcgctatac 180
 aggatccggc ggaagggtcac ggtggagccg caccgcggagc tgcgagtgtg ggcggtgttg 240
 cccagttccc ctgaggcctg cggggctgca tcgctgcagg agagggcagg ggctgccgcc 300
 atcctcatcc gcgacccgcg aacagcacgc atgggggtggc ggctcctcac ccaggatgaa 360
 ggcccagccc tgggtgcccgg gggccggctc ggggacttgt gggattatca ccagcaccga 420
 tacctgcaag gcgttcctga gggggtccga gacttgccct ctgggggtggc cctgcccctg 480
 gagtccaacc tggccttcat gaacggcgtg agcttcacca aaggctgcta cattggccag 540
 gagctgacgg ccgcaccca ccacatgggc gtcacccgca agcgcctctt ccctgtccgg 600
 ttcttggaac cccttcccac cagtggcatc acccctgggt ccacgggtgct gactgcctca 660
 ggacagactg tgggcaagtt cagggtctggc cagggcaacg tggggctggc cctgctgtgg 720
 tcagagaaga tcaagggtcc tctgcacatc agagcctctg agggtgcca ggtggcctta 780
 gccgcatctg tgccagactg gtggcctaca gtctccaagt agtccgaagc cttggctggc 840
 gcaggctgat ggggaggtct gggcctgggg cctttggcct ctgtccaggg tcttcccgtc 900
 ccatctgtct gctgcgccta ctgggtggga gccctggttt ccatctggga aagtccccct 960
 tgtaggtgcc ctgcctggcc ccacccatgc tcaggggccc caggcacgtg ggttggtttc 1020
 tccctggact tccctgtggc ccagaggagc ccaccgtgtg agtgcctggc tccagatggc 1080
 gccgggtccc aatcgtggct ccacacaggg ttgtctggga ggacgggacg gtgtctctgg 1140
 ccagcactgg cagcttccgg gccttgtagc cctctctgcc tggcatgagc ctcatggggg 1200
 gttggtccct gtgcctggaa gcgggggtgt gtccagggtc tgcaggctgg ggctcgggct 1260
 ttgggagttg tttcactgtg cttgcttcca gcatgtctca ggggtggggc atgcgtggc 1320
 tagaggggtc tggggcattg gatcagggtg catgtgggtg tctacacatc gagaagcaca 1380
 cagggatgag ccactaggta tcccatgctg gaggcttgtg gaaggctgtg cccatctccc 1440
 atgtttcccc acctctgttc ctccctcagag ccctccagga gcgtgggggt ggggccagcg 1500
 cagggtcag gagccagcag ggcagagttc tgccctgtgt tgcctgggtt tggcatagcc 1560
 tgtgtttgca gtgagagtga cttgctgtca gtcacggggc acagcctcct gttcaccac 1620
 tggcttcccc ctcccactg aagtgtgagc tctatgtttc agggcatcta ttaaagagtg 1680
 agccacaggc aaaaaaaaaa a 1701

<210> 5270
 <211> 712
 <212> DNA

SECRET

<223> similar to gi2760483 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

t t t c g t a a a a	a c a g a g c g g g	a g t a t t g g g a	g g a g g a t a a g	c t g g g g a a g a	g g c t g g c c a c	60
a c t g g t t g c t	a t a a c c a c c a	c c a c t t c c g g	t c c g t t c c t c	t t t a c g g c c c	a c c t c a g c g c	120
t g c c c g c g c g	a a a t t t g t a t	c c c t c t g c t t	g t g t c c a c t g	g c t c c t g g g g	a g c a g c g c a g	180
g g a g g a g g a g	g a g g a a g a t a	t c a a a g a g c c	c t c c c a t t g g	g g g c c c c a g a	t c g c c a c t t c	240
c g g t g a c c a g	a g g t a g g g a a	g g a a a c a a t c	c c g a c c c g g a	g t g g a c a g g t	g a g g a g g g g a	300
g g a c t t g c c t	c g c c g a g g c c	g c t g c g a g g a	g c g t g c c c a a	g g g c g a a g g t	c c a g g g a a c c	360
c g g c t c c c g c	g c a c c g a a g a	c g g c c g c c a t	g c c g g c c c g t	t g t g t g g c c g	c c c a c t g c g g	420
c a a c a c c a c c	a a g t c t g g g a	a g t c g t g t t	c c g c t t t c c c	a a g g a c c g g g	c c g t g c g g c t	480
g c t c t g g g a c	c g c t c g t g c	g g g g t c g c g	c g c c a c t g g	t a c g g a g g c a	a t g a c c g t c	540
g g t c a t c t g c	t c t g a c c a c t	t g c c c c a g c	c t g t t t t g a c	g t c t t c t t c g	g t t a t c c a g a	600
a g a a c c t g c g	c t t c t c c c a g	c g c c t g a g g c	t g g t g g c a g g	c g c c g t g c c c	a c c c t g c a c c	660
g g g t g c c c g c	c c c g g c a c c t	a a g a g g g g a g	a g g a g g g a g a	c c a a g c a g g c	c g	712

<223> similar to gi4704324 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

tttttttttt	ttggtgaaac	ataatgtttt	taatttcaca	cctcacagag	cacagttgaa	60
tgcttcataa	cgacataaac	aaaagtttag	ctaagcactg	cagacgagtt	gggagggcaa	120
agatagcttc	cctgtggtc	tgcactccag	gtttgcgagg	gaatatgtaa	ctaacaaact	180
gcttggttaa	ggccacagaa	atgtgtttcc	tgggtgtttt	gctgctgacg	ccagtcttct	240
ctgacaaaaga	tgtgttaaca	ctgggtgcaa	caaactgaat	ctctttccta	agatcagtca	300
ggaaaattca	tgtcttattt	cttcctggat	ttcttttttg	tgggtgtcata	agcacggatg	360
acttcttcct	gactaacagc	tccgtgttct	tcttgagaaa	aagcataccc	atgcgggacg	420
cctgctgca	gggagctgcc	ccggaacagc	gtcgggggcg	tcttcgggcc	cagcctcttg	480
atcaggcggt	cgcgctcgtt	cagcctcttt	ccattgctat	cccgcagcac	cgcttttccc	540
aggactcgag	acttggtttc	cagctcctgc	acctcctcca	gcaatgtctt	tttgcaggtg	600
tgcttggtcg	ctctccatgc	cacatcttca	atcaaacagg	cagtaggaac	cagaaataat	660
cccaaccaga	agtgtgcgga	gctcaggacc	atagttgcct	gtcctctcat	atctggagca	720
atgggaatgg	tgg					733

<210> 5272
 <211> 1336
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (117)...(1030)
 <223> similar to gi4589624 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5272
 acaagcctgt gagcaagcac aagcgggatg agttggtgag agccattgaa tcacccttgt 60
 agaccctgaa ctatcctgca gagaacagct tcaatcaccg tccttacacg gcttgtgatt 120
 tcatagaagg gatctaccga acagaaaggg acaaagggac attgtatgag ctcaccttca 180
 aaggggacca caaacatgaa ttcaaacggc tcatcttatt tcgaccattc ggccccatca 240
 tgaaagtgaa aaatgaaaag ctcaacatgg ccaacacgct tatcaatgtt atcgtgcctc 300
 tagcaaaaag ggtggacaag ttccggcagt tcatgcagaa tttcaggagg atgtgcattg 360
 agcaggatgg gagagtccat ctcaactgtt tttacttttg gaaagaagaa ataaatgaag 420
 tcaaaggaat acttgaaaac acttccaaag ctgccaaactt caggaaacttt accttcatcc 480
 agctgaatgg agaattttct cggggaaaagg gacttgatgt tggagcccgc ttctggaagg 540
 gaagcaacgt ccttctcttt ttctgtgatg tggacatcta cttcacatct gaattcctca 600
 atacgtgtag gctgaataca cagccaggga agaaggatatt ttatccagtt cttttcagtc 660
 agtacaatcc tggcataata tacggccacc atgatgcagt ccctcccttg gaacagcagc 720
 tggtcataaa gaaggaaaact ggatttttgg gagacttttg atttgggatg acgtgtcagt 780
 atcggtcaga cttcatcaat atagggtgggt ttgatctgga catcaaaggc tggggcggag 840
 aggatgtgca cctttatcgc aagtatctcc acagcaacct catagtggta cggacgcctg 900
 tgcgaggact cttccacctc tggcatgaga agcgtctgat ggacgagctg acccccgagc 960
 agtacaagat gtgcatgcag tccaaggcca tgaacgaggc atcccacggc cagctgggca 1020
 tgctggtgtt caggcacgag atagaggctc accttcgcaa acagaaacag aagacaagta 1080
 gcaaaaaaac atgaactccc agagaaggat tgtgggagac actttttctt tccttttgca 1140
 attactgaaa gtggctgcaa cagagaaaag acttccataa aggacgacaa aagaattgga 1200
 ctgatgggtc agagatgaga aagcctccga tttctctctg ttgggctttt tacaacagaa 1260
 atcaaaatct ccgcttttgc tgcaaaaagta acccagttgc accctgtgaa gtgtctgaca 1320
 aaggcagaat gcttgt 1336

<210> 5273
 <211> 1045
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(955)
 <223> similar to gil420005 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5273

aatttctgcc	atttgaagga	aaagtgaatt	taaagaaacc	gcaacatgta	ttttctgttt	60
tggaggatta	tggtttagac	ccaaactgca	tccctgagaa	tccacataat	atttattttg	120
gtagatggat	tgcagatgga	cagagagagc	ttattgagtc	atacagtgtc	aaaaagagac	180
actttattgg	aaatacaagt	atggatgctg	gtttgtcatt	cattatggct	aacctggaa	240
aagtgaaaga	aatgatatt	gtctttgatc	catttgttgg	aacaggtggc	ctgctgatag	300
catgtgctca	ttttggtgca	tatgtgtatg	ggacagacat	agactacaac	acagttcatg	360
gcttgggaaa	ggctactagg	aaaaaccaga	agtggagagg	accagatgaa	aacattaggg	420
ccaatcttcg	tcaatatggt	ttagagaagt	attacctga	tgtcctgggt	tcagatgcat	480
ctaaaccttc	ctggaggaag	ggcacatatt	ttgatgcaat	cattactgat	cctccatag	540
gtatcagaga	atctacaaga	agaacaggtt	cacagaagga	gataccaaag	gggatagaaa	600
aatgggaaaa	atgtccagaa	agccatgttc	ctgtttcctt	gagttatcat	ctgagtata	660
tgtttcttga	cctgttaaac	ttcgcagctg	agaccctcgt	tttaggtgga	agactagtct	720
attggttacc	ggtgtatacg	ccagaataca	ctgaagagat	ggtgccttgg	cacccttgcc	780
tggaactcgt	tagcaactgc	gagcagaagc	tttccagtca	cacatcaagg	cgcttgatca	840
caatggaaaa	ggtgaagaaa	tttgagaatc	gggaccagta	ttcacatctg	ctaagtgatc	900
atcttctgcc	ataccaaggt	cataattcct	tccgtgagaa	atattttagt	ggggaataca	960
aaagaattgc	caaggaagaa	aaatccaccc	aggaatgaaa	attaagattt	tgtcattgat	1020
gaaagaataa	gaatttgatt	taaaa				1045

<210> 5274

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (23)...(581)

<223> similar to gi4469173 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5274

attcccgggt	cgacgatttc	gtcacaaatgc	ccgcccggggc	ttctttcttct	cccatattgg	60
gtggctgttt	gttcgcaagc	atcgagatgt	tattgagaag	gggagaaaagc	ttgacgtcac	120
tgacctgctt	gctgatcctg	tggtccggat	ccagagaaaag	tactataaga	tctccgtggt	180
gctcatgtgc	tttgtgttcc	ccacgctggt	gccctgggtac	atctgggggag	agagtctgtg	240
gaattcctac	ttcttggcct	ctattctccg	ctataccatc	tcactcaaca	tcagctggct	300
ggtcaacagc	gcccgcacaca	tgtatggaaa	ccggccctat	gacaagcaca	tcagccctcg	360
gcagaaccca	ctcgtcgctc	tgggtgccat	tgggtgaaggc	ttccataatt	accatcacac	420
ctttcccttt	gactactctg	cgagtgaatt	tggcttaaat	tttaacccaa	ccacctgggt	480
cattgatttc	atgtgctggc	tggggctggc	cactgaccgc	aaacgggcaa	ccaagccgat	540
gatcgaggcc	cggaaggcca	ggactggaga	cagcagtgct	tgaacttgga	acagccatcc	600
cacatgtctg	ccgttgcaac	ctcggttcat	ggctttgggt	acaatagctc	tcttgtacat	660
tggatcgtgg	gagggggcag	aggggtggga	aggaacgagt	caatgtgggt	tgggaatggt	720
tttgtttatc	tcaaaataat	gttgaaatac	aattatcaat	gaaaaaactt	tcgttttttt	780

ttttgtttgt	tttgtttttg	agacagagtc	tcactctgtc	acccaggctg	gagtgcagtg	840
gcgcagtctc	ggctcactgc	agcctccacc	tacctggttc	aagcaattct	cctgcctcag	900
cctcctgagt	agctgagatt	acaggagcct	gccaccacac	ccagctaatt	tttttgtatt	960
tttagtagag	acagggtttc	atcatgttgg	ccagactggc	ctcgaattcc	tgacctcagg	1020
caatccaccc	gcctcggcct	cccaaagagc	tgggattaca	ggcgtgagcc	accgcaccct	1080
gccgaaaaaa	actttttttt	ttttgagacg	gaggctcgct	ctgtccccc	ggctggagtg	1140
cagtggcgag	atctcagctc	actgcaagct	ccgcctcccg	ggttcacg		1188

<210> 5275
 <211> 2402
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (360)...(1355)
 <223> similar to gi4104634 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5275						
cgcagtcgcc	gagcgagacc	aaacaggtgg	aatccgggct	ggagccggag	ctccggcggc	60
gcgggtggcg	gcacgtccct	ccagacagta	ccacaggcac	ctggagtacc	ggcatcggtc	120
gctgtggccc	ccgagtgtcc	gtcagagcct	aggggagcct	gcctcccgcc	gcctcgtcgg	180
ggcccgggcc	ggcaccttgg	ccgccggcgc	acggacgcgg	gcacgagcac	tagatcacgg	240
ctgctggacc	tggcacggtt	gacaagattt	ctctggggta	ccgcggagga	ttactttgaa	300
tttcgggtgg	cgctgtgggt	ctggcatatt	tagaacttaa	gtctattatt	tcgggcacca	360
tgactttgag	gcttttagaa	gactggtgca	gggggatgga	catgaaccct	cggaaagcgc	420
tattgattgc	cggcattctc	cagagctgca	gtgtggcaga	aatcgaggag	gctctgcagg	480
ctggttttag	tcccttgggg	gagtacagac	tgcttggga	gatgttcagg	agggatgaga	540
acaggaaagt	agccttagta	gggcttactg	cggagactag	tcacgccctg	gtccctaagg	600
agataccggg	aaaagggggg	atctggagag	tgatctttaa	gccccctgac	ccagataata	660
catttttaag	cagattaaat	gaatttttag	cgggagaggg	catgacagtg	ggtgagttga	720
gcagagctct	tggacatgaa	aatggctcct	tagaccaga	gcagggcatg	atcccgaaa	780
tgtgggcccc	tatgttggca	caggcattag	aggctcttca	gcctgccctg	caatgcttga	840
agtataaaaa	gctgagagtg	ttctcgggca	gggagtctcc	agaaccagga	gaagaagaat	900
ttggacgctg	gatgtttcat	actactcaga	tgataaaggc	gtggcagggtg	ccagatgtag	960
agaagagaag	gcgattgcta	gagagccttc	gaggcccgag	acttgatgtt	attcgtgtcc	1020
tcaagataaa	caatccctta	attactgtcg	atgaatgtct	gcaggctctt	gaggaggtat	1080
ttggggttac	agataatcct	agggagttag	aggtcaaata	tctaaccact	taccagaagg	1140
atagggaata	gttgctggct	tatgtactaa	ggctggagcc	tttgttacag	aagctggtag	1200
agagaggagc	aattgagaga	gatgctgtga	atcaggcccg	cctagaccaa	gtcattgctg	1260
gggcagtcga	caaaacaatt	cgcagagagc	ttaatctgcc	agaggatggc	ccagcccctg	1320
gtttcttgca	gttattggta	ctaataaagg	attatgaggc	agctgaggag	gaggaggccc	1380
ttctccaggc	aattattgaa	ggtaatttca	cctgagtctc	agggaaccac	gaagggatat	1440
ggcaacgagt	agagcatgaa	ggtagaacag	tctatatact	cttgtgacac	atacaatccc	1500
taccttgtgc	tgccaagtaa	ctcatttttg	tgcaattctc	agtataagcc	ctttgtcggt	1560
tctatgccta	tttaaagtct	cctaaagggtg	taattgacta	ggaaggatgt	agttctacac	1620
tgccatttac	ctatttaaat	tcatccttgt	gaatatcttt	gttggtgttg	ttgagacaga	1680
gtctcgctct	gtcaccagag	ctggagtgca	gtggcgatg	cttggtctac	tgcatcctcc	1740
gccttccagg	tttaagctat	tctcctgcct	cagttgcccg	agtagctggg	actacaggca	1800

tgtgccacca	cgcccagcta	agttttgcat	tatcagtaga	gacgggggtt	caccatgttg	1860
gccaggctag	tttcgaactc	ctgacctcaa	gtgatccacc	tgcttcggcc	tctgaaagt	1920
ctgggattac	agggctgaga	cactgcgccc	agcctcatcc	ctgtgaattt	cttattgtac	1980
acaagttctt	tcactatctg	tgtgcagtgc	tctgagggga	cagacaaggc	ttgggtgtat	2040
atgccaaacca	gatctcattg	aagtatcagc	ttgtttggta	ctaggtgcaa	gtgtagcatg	2100
tcacatgtga	ccatgtttgg	atccattgac	aatttttagg	gtatgtactg	gcctacattt	2160
atgatgaaga	tcctgagcgg	aggtttaagat	attaagttat	tttccatatg	aatcagaatt	2220
atattgattc	tgtgcaatca	aaacaaaagg	cagaatagaa	tgctgagatt	ggttaagttt	2280
gcaatgacca	tcttgaacca	cagatttctg	ctatgtgtca	tcaaaacatc	tagttctgag	2340
taacattttc	acgattgtta	taaaattata	ggtgtgaact	tctaaaataa	aggaatgcta	2400
at						2402

<210> 5276
 <211> 3009
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(521)
 <223> similar to gi63803 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5276						
tttcgtgccg	tgcaagctgc	ttatcccaga	gagagatcca	ttggaggaaa	tagcagaaag	60
ttctccccag	acggcgagcca	attcagcagc	tgagctgttg	aagcaggggg	cagcctgcaa	120
tgtgtggtac	ttgaactctg	tggagatgga	gtccctcacc	ggccaccagg	cgatccagaa	180
ggccctgagc	atcacccctg	tccaggagcc	tccacctgtg	tccacagtgt	tgcaattcaa	240
ggtgtcagcc	cagggcatca	ccctgacaga	caatcagagg	aagctcttct	tccggaggca	300
ttaccccgtg	aacagtgtga	ttttctgtgc	cttggaccca	caagacagga	agtggatcaa	360
agatggccct	tcctcaaaaag	tctttggatt	tgtggccccg	aagcagggca	gtgccacgga	420
taatgtgtgc	cacctgtttg	cagagcatga	ccctgagcag	cctgccagt	ccattgtcaa	480
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tggacccacc	gatgcctctc	gaagccctgg	agacagccgt	tgggtgaggg	tggggccccc	600
actttttacc	aaactagtaa	acctgacatt	ccaggcccat	gaggggaaag	aggatcttcc	660
agctctgcaa	aaacaagaac	aaacaacatc	accgtgaatt	ggcctttcct	gaaagtgact	720
tatctgacac	atctctgtag	ccacatgctt	tttgggtaga	agaagctggg	catgggtgca	780
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cagggcctac	aacgaggggc	ctttgcgatg	ggctgtgagg	atgggggtgg	tgggaagaat	1140
tggccacgtt	agagacccca	tgccacccca	ccatggtgag	tgctctgtgc	ctcctgtctca	1200
cctgtggtga	gctgggcgag	ctgggcgagc	tgggcgagct	gggctgggga	gagcctgtga	1260
ggaccgagag	gagaaatgag	agaaggaac	aaaaatatta	tttctatgta	atttatattt	1320
tacttatgcc	aaattattta	tgataatttg	ccattgctat	actgtaccag	tgtcaaattgc	1380
tgcagcctgc	caagctgtga	ttttgtgagg	cttgtcccta	tgtaggatgc	accgcaggcc	1440
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ttgtgggatg	actcttttct	gatggagaga	gtccaggagg	gatggaaaac	gcctggattt	1620
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gaagttcgcc	tgcatttatc	agccctcttt	gtgctgctcc	ttgccacctt	ggggttcctg	1740
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gaatcaagt	tatttcaggc	ttatttcaac	attccaatgc	cctgggtttt	ctgcttgaat	1920
ctgttcgtgg	tcaaaggttt	gggggaattt	gtgaccctgg	aacatcccca	gagtgaagaa	1980
tggagctggg	ccacatcaga	ataaggcctt	ggcccatcc	tctcacagcc	taggtgctct	2040
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agtcaaatacc	cccattctta	ggccacactg	gtgtcacaag	ctcctgtcag	ggagctgggg	2160
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cgtgcgtgta	tgcgtgtgtg	aaagcagggtg	gaccattcca	cttttttagct	cctattgatg	2340
caccaaacca	agtgcctcat	ttctgtgcca	aatgtttgcc	ttggtcgttg	tggacctcct	2400
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tggtgacctt	gatgtcttta	gcagaggcct	ctagcatctc	ggtttttcat	ccactgcagg	2520
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aggaaccaaa	ggaagcaagt	ttccacgatt	tctgaagagc	tggtatagga	agtttctttc	2940
ttccttttgt	gttacatgtg	cattaaacag	aacaagctgt	gtgtcatcac	agattgtact	3000
gtgggctca						3009

<210> 5277

<211> 873

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (129)...(618)

<223> similar to gi289622 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5277

gaattcccgg	gtcgacgatt	tccttgacgc	taatgggggt	gtggctggga	ccctggggca	60
gatttatgtt	tagccctcc	cacggagggt	gccgctgtaa	ccccagcttc	ctccccggc	120
ccccaggcgt	ctctagcgtg	gaggtccagt	ggatcccggc	cctgctgccc	tcttactgcc	180
agtttgacaa	gcccctggag	gaaccagccc	ctacatactg	ccccgagcgg	gggagggtgc	240
tgtgtcaccg	ggccagcgtg	ttctatcgcg	tgggctggcc	gctccccgcc	atcgagggtg	300
attttccaga	ggggattgac	cgctacaagc	actttggccc	gttcctgctg	gaagggcagg	360
tcttcgcaa	gctggcctca	taccggagct	gtctgctgtc	cagccccggc	accatgctga	420
agacgtgggc	caggctgcag	ccccgtacgg	agagccttct	gcgagccctg	gttgcagaga	480
aggctgactg	ccatgaagcc	ttgctggctg	cttgggaagaa	aaaccccaaa	tacctgctgg	540
ctgagtactg	tgagtggctt	ccacaggcca	tgcaccccga	tatcgagaaa	gcctggcccc	600
ccaccactgt	ccactgacca	gaaacctggc	tgcaggggccg	aggactgggt	tggggactgg	660
agggctggca	gcagctggtc	accgtgcgac	cgtgaccacc	tggcatgggc	ttcgtggcct	720

gctctcagga	agtgggtcaa	gccctgggaa	ccctcatcca	tgagagctcg	atcccgatatg	780
aaggggtgctg	ccgcccgtgc	catctggccc	gggggtgact	ttttgaactg	tttattatat	840
ggtggatgat	gatttcatct	cacgtgctgg	aaa			873

<210> 5278

<211> 1489

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(497)

<223> similar to gi3930525 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5278

tttcgtaaag	tggagtgcac	ccccagccgg	gagcacctga	agcaccagac	cgtctaccgc	60
ctgctcaagt	gcgcgcccag	gggcaagaac	ggcttcaccc	ctctgcacat	ggctgtggac	120
aaggacacca	caaacgtggg	ccgctatccc	gtgggcagat	tccctccct	gcacgtggtc	180
aaagtgctgc	tcgactgcgg	ggccgacccg	gacagcaggg	attttgacaa	caacaccccg	240
ctacacatag	cagcccagaa	caactgcccg	gccatcatga	atgccctgat	cgaagcaggg	300
gcccacatgg	acgccaccaa	tgcccttcaag	aagacggcct	acgagctgct	ggacgagaag	360
ctgctggcca	ggggtaccat	gcagcccttc	aactacgtga	ccctgcagtg	ccttgccggc	420
cgggccctgg	ataagaacaa	gatcccttac	aagggcttca	tcccgaaga	tctggaggcg	480
ttcatcgaac	tgcactgacc	tgcccagaac	gcctgcaccc	tcacctctcc	cctctcctgc	540
tgagatgggg	gaaatccggc	tgcggcatag	cagatgctcg	ttcttgccctc	cttcaggcac	600
caatcaggag	aagggttctg	cctcccatcc	cctctacctg	cagacagggt	cggagggtgtt	660
agcgagcctt	tgggtgctaga	agcctgcggg	gtcatgtgct	aagaggacag	tctttctccg	720
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ttccttccct	gctagaaaca	caggaagaag	ttgaggacgg	tctgccttcc	ctcgtccctt	900
tacctggcca	gataactcca	gccgtgaat	acagtgttag	gactgggggc	tcctgagatg	960
agagtttgag	attcaggga	tgagaccacc	tctcatttct	tccagcatga	tcgcgccttg	1020
ctcccgtgcc	accgtagtcc	ctggcagaca	ggcagggtc	tgcccagggc	agcctgccac	1080
ttgcatagct	ttcggttgg	ttggtgttct	gtttatttaa	taagtgggca	ggtttgcaagc	1140
gttgcacaga	aattctgaga	ttttactgcc	ttttttttt	tttaaaaaa	gtggttgggg	1200
ggccccctta	aggggaattt	caaccgggg	ggattttggg	ggccctgaaa	gggccgaggc	1260
cccagggagg	gacctgtttg	tgtgaggaat	ttggggagcg	agaaaaaagc	ccacgggggc	1320
accccttaaa	acagggggga	ccggcctttt	ttatactttt	ccacttttagg	gcttttaaca	1380
ggttttccga	ttttacaggc	ttttccaggt	ttcctttttc	tttagagaaa	agacggggct	1440
tcctaaacaag	attcggggagg	gcccccaagg	cctgaaacct	ctttgcccg		1489

<210> 5279

<211> 1614

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1011)...(525)
 <223> similar to gi3916727 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5279

caaaactttt	tttgggtttt	ttgtttgttc	attcaacaag	tgttttattga	gcatctacta	60
catgccagac	actattctag	aaacctggga	aaggaggggt	tagggtagct	tggagctgtc	120
ccagctgtag	ctctgtctcc	cagaagtgag	gtctgcaggg	gaacaggggtc	tgggggtcct	180
cctgcctggg	agagggaagg	ctgagtgtat	aaaaaggtgg	aagcctctaa	aaatgagaag	240
gctgggtgtg	tgggactcat	gctggtgcct	tcccagacga	aggagagggc	ccagaggagg	300
cagcttcctg	gagcagagac	ggcagcagga	gcgcccgtgc	ccggcatcac	ctcctcttca	360
gcacggatat	gcaggacttc	ttgaggggcc	cgatctgcaa	gtgggcgtcc	acactctcca	420
ggaagaaggc	aggcttgagt	ctgtgggtga	agagccccgc	aaagtgactg	tccaggcggc	480
tctggaaggg	gtcaatgggg	gaggccggga	tgccaccccg	gcggggccgg	gaggccttca	540
gcctccgcag	gaggctcatc	ttgccgtccc	gtacagcata	gaaggccaag	gcacggtcag	600
cgtattccag	gcagacccca	accgtgggcg	agaaggggtg	gggcagggga	gcctccagcc	660
catgaaacca	gacggagaag	ctgcgtccat	tccactgcag	gcagcaggag	tgggcgttgc	720
ggcccagccg	gccgcggtcg	tagggctcct	gtggggagaa	gtcttcggcc	atgaccccca	780
tgctgaccca	gccctcgata	atctccacct	cccagtagta	ggtgcctcgg	tccagggcac	840
cctcgccag	cacctgctca	caatgggtga	agcgggtggg	cgacaagggg	tagttgatag	900
gacacagcac	cctcttgaca	ccttttggtc	caaacagctg	caggaacttg	tctgctgtgt	960
cgctgtccaa	atccacaata	taggcaaact	tgaggaaata	gtccctggga	gcttcaactct	1020
ccaagagggt	cgtactctcg	aggtcttggg	gctcagcatc	agcttccgag	tccagcttct	1080
gtggcccac	ctcgttgcca	cccggccccc	tcagctgctc	ccactgggtg	acgcaggcca	1140
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cctgtgccag	acaaatgccc	attaaagtgc	tgctggccat	ggctcctcct	tgctgggggt	1320
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tcccagcttc	tgttccctcc	gtggccccca	gagcggcctt	cacctgcagg	aagctgactg	1440
agtcagcttc	agggacctgg	ctgagattct	ggcgggctcg	gctcaggcgg	ctgcgctggt	1500
cctcctgtcg	ccgcagggtc	ccctgggagc	ggcctagcat	ggcagaatcc	ccctcctcga	1560
tgaagcccag	cacctgggtc	tggaagccct	gacgaaatcg	tcgacccggg	aatt	1614

<210> 5280
 <211> 2157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2114)...(1712)
 <223> similar to gi4929585 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5280
ttgagatgga tcagaacttt gtaattatat tcaggaggag ttctgtctat tcattcatca      60
tgacatgtgt agtatcatgt gctttttttt ttaaaattta ggtttaatac attttcaatc    120
agcctatgca catggaatat gcgccattta gaaccgtgga attctgggcc cagctggact    180
cagccagcac agagcaaaca ctgttagtaa tgatttgaac acttttttga atactcggta    240
tatctcactt cccgtggcat gatgaaaaca aacatttatt gaacacgaac tatgtgctag    300
atgtaccctt tgtctttatg ttgcttatgg tctggggagg aaagagacgc taaacaagta    360
accacaagtt tataagtttt acaaaagggg cagatgatat gccacagaga tgcagaacag    420
aggggtccga gtctagttta gggaatcagg ggaaggcatc tctgcataag gaatatttga    480
gctgagatcc agaggatgag aggaagttag agcaggatgc agggagcagt acatgtgtgg    540
gcttcccttg aacttaggaa gaaagggtgt ttaatgggca gcaggaagta ctaagctcca    600
cctctctact gtgaactggg gcttgcccca tccacactgt ggatctcgac tcctcatttg    660
tcatgagtgg ttggctgaga gggcctgtgc tgacctggac tctgggctgg gtctagcggg    720
caaacgccac actaaaagga gaaggagtgc tgggtaggca ggcaaccctc aggactccct    780
tctctcaggc atcacacagg ctgttgcgaa ttcagcacca ccagtgatca gagcaatttt    840
aaacatcatc cccaccggta atttttactc gtttctttat taatatagaa aaggagccca    900
gggcagctgg accagtagta caaagcacca ggagttaata ccattctggg gaaggggatg    960
gttttataaaa agtgaaggag caggcaggag ccaccagggt ctgaggccag gccagcccta   1020
ctgcccagaa cccctgaaac ggctccctgg gaaaaagctg acagatgggt caggggtgga   1080
ttgagctgga aacctgaggg acagatggca gggatagagg gtcatgcagt gggaaccacc   1140
cagtggctga taaggacagg gaacttgtgg ctggaggctc cccattgggc catgggcagg   1200
ggcttgacga tggcctcagc tctgggggca ggtagagaaa ctgcagagac tgatgggcat   1260
ggagaaccca gacatggccc tggggctgaa gggcctttcc accctctctt caccaggagc   1320
cacctttgct ctatactaca tatggggctt cagggcccaa ggcacagggg aggctcagag   1380
gcctccagtt gggaggaaga tggggcaagg aaggaagcac ttgagtgtcc ctagcttagg   1440
cagccgggga tgagacacag gcaggacaac agcacccccc catagtgggg ctagaatgtg   1500
ggacagggac gggcttatcc tcggccagtg actaggacca gccccatggc aatgggtgcct   1560
gtctccagcc ttagcaaata aagtgtgcaa caagcacagg gtgtcggcag acctgggctc   1620
tagccttaca agctctgcca gaacttgaat cacacagagc tgtatcacca tgggtccagcc   1680
atgtcctgcc ttggcctggt tcctcctctg tcaatgagga tcatgctggg gatccccatg   1740
gtctcccgcc atgtctctat cgatgtcaca aactcatcct cagccccctc cgggtccctt   1800
gggaatgctg gccttgagct tcgcccgaag ccaaacagat cgaagggtgt cagtgtgcgg   1860
cgggcactca gtgagtccat gttgaggatc cagagaccca cgccgcccc aaaccatgc   1920
accatcacca agggggtgcg gtcggtttgc tcggggctca cagtcaccgt ccagatctta   1980
ttttggtttg ggagggatac atatctggcc aggaacttat tctggagaca ctggaggatc   2040
ctggcttcca cattcttcag ctgagacatg taagtggggc gccacgtaaa cagccagcta   2100
ctcagccagc cttgagcctg ctgctccaga tcatgcgaaa tcgtcgacca ggggatt      2157

```

```

<210> 5281
<211> 1691
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (7)...(798)
<223> similar to gi558671 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```
<400> 5281
```

```

tttcgttcca tcatctccgt gctgccttgg aagagaatcg tggccgtgtc ggccaagaag 60
aagaactcca agaaggtgca gcccaacagc agctaccaga acaacatcac gcacctcaac 120
aatgagaacc tgaagaagtc gctgtcgtgc gccaacctgt ccacattcgc ccagccccc 180
ccggcccagc cgcctgcacc cccggccagc cagctctcgg gttcccagac cggggggtcc 240
tcctcagtca agaaagcccc tcaccctgcc gtcacctccg cagggacgcc caaacgggtc 300
atcgteccagg cgtccaccag tgagctgctt cgctgcctgg gtgagtttct ctgccgccgg 360
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cgctcgctgc ttctgcaggg ctggcaggac cagggttca tcacgccggc caacgtggtc 480
ttcctctaca tgctctgcag ggatgttatc tcctccgagg tgggctcggg tcacgagctc 540
caggccgtcc tgctgacatg cctgtacctc tcctactcct acatgggcaa cgagatctcc 600
taccgcgtca agcccttcct ggtggagagc tgcaaggagg ccttttgga ccgttgctc 660
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acacaggtct tctccgacct gaagaacgag agcggccagg aggacaagaa gcggctcctc 780
ctaggcctgg atcggtgagc actgtttcct gcgtcatggc tcaaggattc aatgcatttt 840
taagaattta ttattaaatc agttttgtgt acagtatgtg tctagcaaag ccaccaaggg 900
cctcaccttt cccacagtct ctccctgggg ttttttcat ccctgccaaag aactctgggc 960
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ctgggtccag ggtaggcaag gctgccggct gcacctgta tggagctaga gaggggctc 1140
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tgtggagtta ttcactctcc cagaggctcc tggagccagc caccctaact gagctgccag 1260
tggggtcgtg aggcaagatc cccgccaccg ggggacatct tcaatctagg cgaggcgaag 1320
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tcattaattt ctctcaattt ggggccagc taaagagggt ggggtgaagct ggggacagct 1560
ttcctgggtg agtttttctt ttgaataatg tagtgagtc accctgtggg caaatgccag 1620
ggacagctgc aggtgcccat tagcaacgcc tgccttctgg gcaagggtgag ggatgccata 1680
ccttgagacc a 1691

```

```

<210> 5282
<211> 2593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (457)...(1154)
<223> similar to gi4587558 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5282
ggcccggaat tcctcgggtc gacgatttct tggagagtcg ggggtcacca ggcctatcct 60
tggcgccaca gtcggccacc ggggtcgtcc gccgtcatgg agagcggagg gcggccctcg 120
ctgtgccagt tcactctcct gggcaccacc tctgtggtca ccgccgccct gtactccgtg 180
taccggcaga aggccgggt ctcccaagag ctcaaggagg ctaaaaaagt tcatttgggt 240
gaagatttaa agagtattct ttcagaagct ccaggaaaat gcgtgcctta tgctgttata 300
gaaggagctg tgcggtctgt taaagaaacg cttaacagcc agtttgtgga aaactgcaag 360
ggggtaattc agcggctgac acttcaggag cacaagatgg tgtggaatcg aaccaccac 420
ctttggaatg attgctcaaa gatcattcat cagaggacca acacagtgcc ctttgacctg 480

```

gtgccccacg	aggatggcgt	ggatgtggct	gtgcgagtgc	tgaagcccct	ggactcagt	540
gatctgggtc	tagagactgt	gtatgagaag	ttccacccct	cgattcagtc	cttcaccgat	600
gtcatcggcc	actacatcag	cggtgagcgg	cccaaaggca	tccaagagac	cgaggagatg	660
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cgcttgacgc	cgcccaaaaa	aggcatgcag	tactatctaa	gcagccagga	cttcgacagc	780
ctgctgcaga	ggcaggagtc	gagcgtcagg	ctctggaagg	tgctggcgct	ggtttttggc	840
tttgccacat	gtgccaccct	cttcttcatt	ctccggaagc	agtatctgca	gcggcaggag	900
cgcttgccgc	tcaagcagat	gcaggaggag	ttccaggagc	atgaggccca	gctgctgagc	960
cgagccaagc	ctgaggacag	ggagagtctg	aagagcgcct	gtgtagtgtg	tctgagcagc	1020
ttcaagtctt	gcgtctttct	ggagtgtggg	cacgtttgtt	cctgcaccga	gtgctaccgc	1080
gccttgccag	agcccaagaa	gtgccctatc	tgcagacagg	cgatcacccg	ggtgataccc	1140
ctgtacaaca	gctaatagtt	tggaagccgc	acagcttgac	ctggaagcac	ccctgcccc	1200
ttttcaggga	tttttatctc	gaggcctttg	gaggagcagt	ggtgggggta	gctgtcacct	1260
ccaggtatga	ttgagggagc	aatagggtag	aaactctcca	gacccatgcc	tccaatggca	1320
ggatgctgcc	ttttccacct	gagaggggac	cctgtccatg	tgcagcctca	tcagagcctc	1380
accctgggag	gatgccgtgg	cgtctcctcc	caggagccag	atcagtcgca	gtgtgactga	1440
aatgcctca	tcacttaagc	accaaagcca	gtgatcagca	gctctctgt	tctgtgtct	1500
tctgtttttt	tctggtgaat	cgttgcttgc	tgtggacttg	gtggaggact	cagaggggag	1560
gaaaggctgg	gccccgagta	caacggatgc	cttgggtgct	gcctccgaag	agactctgcc	1620
gcagcttttc	ttctttttcc	tcatgccccg	ggaaacagtc	tttcttcaga	attgtcaggc	1680
tgggcaggtc	aacttgtgtt	cctttccctt	cacctgcttg	cctccttaac	gcctgcacgt	1740
gtgtgtagag	gacaaaagaa	agtgaagtca	gcacatccgc	ttctgccag	atggtcgggg	1800
ccccgggcaa	cagattgaag	agagatcatg	tgaagggcag	ttggtcaggc	aggcctcctg	1860
gtttcgccac	tggccctgat	ttgaactcct	gccacttggg	agagctcggg	gtggtccctg	1920
gttttccctc	ctggagaatg	aggcgcagag	gcctgcctc	ctgaaggacg	cagtgtggat	1980
gccactggcc	tagtgtcctg	gcctcacagc	ttccttgcaa	ggctgtcaca	aggaaaagca	2040
gccggctggc	accctgagca	tatgccctct	tggggctccc	tcatccagcc	cgtcgcagct	2100
ttgacatctt	ggtgtactca	tgtgccttct	ccttgtgtta	ccccctccca	gtattaccat	2160
ttgcccttca	cctgcccttg	gtgagccttt	tagtgcaaga	cagatggggc	tgttttcccc	2220
cacctctgag	tagttggagg	tcacatacac	agctcttttt	ttattgccct	tttctgcctc	2280
tgaatgttca	tctctcgtcc	tcttttgtgc	aggcgaggaa	ggggtgccct	cagggggccga	2340
cactagatag	atgcagtgtc	cagtgtgaac	agcagaaaatt	aaacatgttg	caaccaaaaa	2400
aaaaaaaagg	gggggcgctt	tcaagggggc	caggtttttc	taccgggggc	ggggagtga	2460
aaaccttttt	taaggggccc	caaaattcaa	taccggggcc	cgggttataa	cgctttggat	2520
gggaaacccc	tggggttcca	aaactaatcc	tcttaaaaaa	aaaggaatca	agtttctcgt	2580
atggtctctt	aaa					2593

```
<210> 5283
<211> 1139
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1140)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (976)...(503)
<223> similar to gi2447128 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```

<400> 5283
acgatttctgt gtttctgcca gttacactta attttgacat atcagtcagt ctggtgccgg      60
aagaacttct tagttctctt tttgatgatc ctgggcttca caaggggtct gaggggtggcc      120
atgatgctga ggaggagatg gctgccacct ccgtaggcag cgccgagaga ggggcttttt      180
gttttttgag acttcaattt aaattttact tnnnnnnnnn nnncttacia aatacaaaagt      240
aaaaagaatg agaacaaaat aaattttcag atacccaaaa attgaaagag ttcataccaa      300
aagacttcac taaatgaaca ctgaaagacg accttcagaa aaaaacaaaa tgatcctgga      360
cagtagtgta aagatataga aagatgaggg catgcaggta ggtaggtgcc aaattatgta      420
agtccagcat gccaaagccaa ggaatcagag gctccacagg gatctaagga ggttctggaa      480
ggtttccatt gtagtccaca tcttctatgc tacaaccca tttaacaaga agttgcaagc      540
agccaagccg cccatgaaaa gctgcataat gcacaggctc ccattctctc ttatcagtca      600
cactggggtc cactccactt cggagcatta tttgtaaaagt gaaagaatgt ccatgagttg      660
cagcaagatg taaaggagtg catccccggg catcctgggc tgtcagattt gctccattca      720
ttataagagc ctgtacacaa gcatcctgac ccctgattgc agctatgtga gatgctgtcc      780
aacctctcgt tgttacgtgt gtgatatcag ctccatgcc a gagcagccaa tgaagacact      840
ccaaacttcc agaatgtgct gcccaatgta aaggggtaaa cttatggaga acatcaagtt      900
cattaatgct ggctccacgt accactattt ctgaaagctg ctttacatct ccagctcgta      960
ctgcatcatg tatgctgcca aaatgcacct tcttctgga acaggggtgt gcagtctcac     1020
tagagaaagt ggaggggcct gaattgccca cccgggcat ggcgcaacac ctccgactct     1080
ggggaggagtg tgagtccagg cccctgatgc tgcggcggtc ttccgttgcc gaattcacc     1139

```

```

<210> 5284
<211> 2035
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (735)...(1156)
<223> similar to gi30474 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5284
tttttttttt ttagctttgt cagtccttta ttctctctag aggaggggct cagtatatca      60
cagcagtggc tgatgtcggg tgcttgccac agctcagcac tgctctaata actcatccta     120
accacaccaa gccttgctga gacctctgag caatcccacc aggagataca gtgaggtcca     180
gccactcagg ccacacagcg aacaggaggc agggctggta tgggtgcagg tgccaacccc     240
gactgtgcgg cctctcgggt aagcacctgt gcagtactg agtgggctcg caaacagagg     300
gctctgcagg tggagcacc caggcaagtc cccaccatca gcccattct gcaggcgcg     360
ccccggggcc agggatggga gggctttgcc gggcatccag cgaggagact gcatattccc     420
tgcccaatct ggcttcacgg cggcggaact gacgccacgt cccagggcgt tcggggctgc     480
caggcctggt gagcaccgcg gacatctcag atggcggttc tgcaggttga ggccctcggt     540
gccagcgtcc ccgtgggcag ttctgtggct tccctggccc atgtcgtcct cttggcagtg     600
gccacatcac agcaccaggt gggatcaaag gggagggcag ctccccaggt ggacctgagc     660
ttctcacact ctgacaagcc ctgcctgct gatccaagac acagtggcct ttgaaattcg     720
atttccttcc ccaggggggc ttcgggatcc tggaggagat gtgtgtcaac tacgtgcact     780
actaccccca gacgcagctg gagctctgca agagcgtgtg ggacgccggc ttctgcaga     840

```



```

cagtgtcgga tgaagccatc acccagacca tgggccgctg ctgggatgag aaccagtact 1080
tgctgtgccc ccactcagcg gtggccgtga actaccatta ccagcagata gacaggcagc 1140
agcccaggta caggcaatgg gggcctgggc cactgaggga ccatttgaat ttcagggggc 1200
ctcttcttct ccaagcagtg ggagagacag gactacgaaa aaatggctgt aatggagtgt 1260
gatgggtgct gtgtggaact gtgccttgga aactgtgggc ccagaagagg gagcgtgaca 1320
gatatccag ggacagccat ggtcagaggt ggtggctgag ctggcctcca accaggagga 1380
gcagtttgcc aggtagcgtc attgtagcaa taagttcaag gtgccaatg tctgtctgtg 1440
tctctgtcct ccataccccc ccatccctaa acttcctctg tttcttattc ctcctccacc 1500
ttctcctttc ccatctctct attctctcat tggcctccgg ctgccacctg ccccatccc 1560

```

<210> 5286
 <211> 845
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (776)...(390)
 <223> similar to gi458230 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5286
ctggaaaata cataaaaaca tatgtatcac cagtaaata atcagtaaag tacaatataa 60
cacaaaagaa aaagaaatat tgcttgattt tttccaataa aagcaagggt aataaaaaca 120
tttttagtaa gaaaatctat catttttatt ttaaaaatct ttcaatttta aacatcatta 180
ccaacacatt aaaagtatta tcaataagtg cctttacaat ttcaagcaaa agctactgtg 240
ttttccttat tggaaatact gctttcagtc atcttttttg tctgaggtag tctcttcatg 300
cttttcaggg ctgactttat tactggcggg ggaggggggt gtctggactt cttttggtaa 360
tgaaaacaca tggcacgtct ggaggtctag gtatgttgta aatatcttag catattctgg 420
atgctttaag gcaaaacttt taaattcctc ataggaaatt gagtcccctt gggctatttc 480
cttgaagaga ccagaaacat caaggtcagg cactccaagg gaagcctgta gaatggtgga 540
gaactcttcc tccgttatgt agccatcctc atcaacgtca aacagcttaa atgccacctg 600
gatgatctcc tctgtgttg aagggttgca caagacagcc aggccaatca catactctcg 660
gaagtcaatg ctgccatcat ggttcctgtc aaagagtgc aaaagttgtc tcaagacatc 720
tgaaacaggc aactttaaat acttggcgaa ttcttcaatt ccaattcttc ctccttttga 780
ggaactcgca atagatgcat attcatccaa atgcttacga acaccatccc aatctaattt 840
caatt 845

```

<210> 5287
 <211> 1973
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)...(1829)

<223> similar to gi2988397 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5287

gaaaggctaa	ccggtggttt	ggggttgctc	cccctaaatc	tggaaaaatg	aacatgaaca	60
tccttcacca	ggaagagctc	atcgctcaga	agaaacggga	aattgaagcc	aaaatggaac	120
agaaagccaa	gcagaatcag	gtggccagcc	ctcagccccc	acatcctggc	gaaatcacaa	180
atgcacacaa	ctcttcctgc	atttccaaca	agtttgccaa	cgatggtagc	ttcttgtagc	240
agttttctgaa	cgctgggaag	aggtccctgc	tcacagcag	gcggacaggc	ctggggctgg	300
ccagcctgcc	gggccctgtg	aagagctact	cccacgccaa	gcagctgccc	gtggcgacc	360
gcccagagtgt	cttccagtc	cctgacgagg	acgaggagga	ggactatgag	cagtggctgg	420
agatcaaagt	ttcaccccca	gagggagccg	agactcggaa	agtgatagag	aaattggccc	480
gctttgtggc	agaaggaggc	cccaggttag	aaaaagtagc	tatggaggac	tacaaggata	540
accagcatt	tgcatttttg	cacgataaga	atagggggga	attcctctac	tacaggaaga	600
aggtggctga	gataagaaag	gaagcacaga	agtcgcaggc	agcctctcag	aaagtttcac	660
ccccagagga	cgaagaggtc	aagaaccttg	cagaaaagtt	ggccagggtt	atagcggaag	720
gggggtccga	ggtggaaacc	attgccctcc	agaacaaccg	tgagaaccag	gcattcagct	780
ttctgtatga	gccccaatagc	caaggggtaca	agtactaccg	acagaagctg	gaggagttcc	840
ggaaagccaa	ggccagctcc	acaggcagct	tcacagcacc	tgatcccggc	ctgaagcgca	900
agtccccctcc	tgaggccctg	tcagggtcct	tacccccagc	caccacctgc	cccgcctcgt	960
ccacgcctgc	gccccactatc	atccctgctc	cagctgcccc	cggaagcca	gcctccgcag	1020
ccaccgtgaa	gaggaagcgg	aagagccggt	gggggcctga	agaggataag	gtagagctcc	1080
cacctgctga	actggtgcag	agggacgtgg	atgcctctcc	ctgcctctg	tcagttcagg	1140
acctcaagg	gctcggttat	gagaagggga	agcctgtggg	tctagtgggc	gtcacagagc	1200
tttcagacgc	ccagaagaag	cagctgaagg	agcagcagga	gatgcagcag	atgtacgaca	1260
tgatcatgca	gcacaagcgg	gccatgcagg	acatgcagct	gctgtgggag	aaggcagtc	1320
aacagcacca	gcacggctat	gacagtgatg	aggaggtgga	cagcgagctg	ggcacctggg	1380
agcaccagct	gcggcgcatg	gagatggata	agaccaggga	atgggcccag	cagctgacaa	1440
agatggggccg	gggcaagcac	ttcatcggag	acttctgccc	tccagacgag	ctggaaaagt	1500
ttatggagac	cttcaaggcc	ctgaaggagg	gccgtgagcc	tgactactca	gagtacaagg	1560
agttcaagct	gactgtggag	aacatcggtc	accagatgct	gatgaagatg	ggctggaagg	1620
agggcgagg	gctgggtca	gagggccagg	gcatcaagaa	cccagtgaac	aagggcacca	1680
ccacagtga	cggcgctggc	ttcggcattg	accggccggc	ggagctctcc	aaggaggacg	1740
acgagtatga	ggcgttccgc	aagaggatga	tgctggccta	ccgcttccgg	cccaaccccc	1800
tgaacaatcc	cagacggcct	tactactgag	tgttctggaa	atacatactt	tctgaatgac	1860
caaccgtccc	tggactgtgg	aatgttccgg	cctgcatttc	tgccaccccc	ttccgttgct	1920
acgagtgccg	tgccgtgtaa	taaagtccca	gtgctcatcc	accacaaaaa	aaa	1973

<210> 5288

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (207)...(402)

<223> similar to gi5630082 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

<400> 5288
tttcgtggcg gaaaggatgg cgctgtgaca gccggggccgg agccctcgcg tccccacccc 60
gcgccctggc cgctgggccc ggcgagatgg agtccacagc ctaccctctc aatttgagcc 120
tgaaagaaga ggaagaggaa gaagagattc agagccggga actagaggac ggcccggcag 180
acatgcagaa agtacgaatc tgctctgagg gcggatgggt accggcccta tttgatgagg 240
tggccatata tttttccgat gaggaatggg aagttttgac ggagcaacaa aaggccctct 300
accgggaagt catgaggatg aattatgaaa ctgtcctgtc cctggaattc ccattcccta 360
agccagacat gatcaccctg ttggaagggg aggaggagtc tcagaattct gacgagtggc 420
agctccaagg aggcacctct gcagaaaatg aagaatctga cgtaaagcct ccagactggc 480
caaaccat gaatgtacc tcccagtttc ctcagcctca gcactttgac agctttggcc 540
tccgtctgcc tcgggatata acagagctgc ccgagtggag tgaggggtac ccttctacat 600
ggccatggct tcccagggta tgacctctcg gctgatgaca tagctgggaa gtttcagttc 660
agccgggcat gcgcgcagtt acga 684

```

```

<210> 5289
<211> 4583
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1598)
<223> similar to gi505102 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5289
cgcgtgtcta cgcggacgca ccggctaagc tgcttctgcc gccgccggcc gcctgggacc 60
ttgcggtgag gctgcgcggg gccgaggccg cctccgagcg ccagggttat tcagtcacca 120
tgaagctgct gctgctgcac ccggccttcc agagctgcct cctgctgacc ctgcttggt 180
tatggagaac caccctgag gctcacgctt catccccggg tgcaccagct atcagcgctg 240
cctccttccg gcaggatcta atacatcggt atggtgaggg tgacagcctc actctgcagc 300
agctgaaggc cctgctcaac cacctggatg tgggagtggg ccgggggtaat gtcaccagc 360
acgtgcaagg acacaggaac ctctccacgt gcttttagttc tggagacctc ttcactgcc 420
acaatttcag cgagcagtcg cggattggga gcagcgagct ccaggagtgc tgccccacca 480
tcctccagca gctggattcc cgggcctgca cctcggagaa ccaggaaaac gaggagaatg 540
agcagacgga ggagggggcg ccaagcgctg ttgaagtgtg gggatacggg ctccctctgtg 600
tgaccgtcat ctccctctgc tccctcctgg gggccagcgt ggtgcccttc atgaagaaga 660
ccttttaca gaggtgctg ctctacttca tagctctggc gatttgaacc ctctactcca 720
acgccctctt ccagctcatc ccggaggcat ttggtttcaa ccctctggaa gattattatg 780
tctccaagtc tgcaagtgtg tttgggggct tttatctttt ctttttcaca gagaagatct 840
tgaagattct tcttaagcag aaaaatgagc atcatcatgg acacagccat tatgcctctg 900
agtcgcttcc ctccaagaag gaccaggagg aggggtgat ggagaagctg cagaaggggg 960
acctggacca catgattcct cagcactgca gcagtgaagt ggacggcaag gcgccatgg 1020
tggaacgaga ggtcattgtg ggctcgctct ctgtgcagga cctgcaggct tcccagagt 1080
cttgctactg gctgaaaggt gtccgctact ctgatatcgg cactctggcc tggatgatca 1140
ctctgagcga cggcctccac aatttcactg atggcctggc catcggtgct tccttactg 1200
tgtcagtttt ccaaggcatc agcacctcgg tggccatcct ctgtgaggag tccccacatg 1260
agctaggaga ctttgtcatc ctgctcaacg ctgggatgag catccaacaa gctctcttct 1320

```

tcaacttcct	ttctgcctgc	tgctgctacc	tgggtctggc	ctttggcatc	ctggccggca	1380
gccacttctc	tgccaactgg	atTTTTtgCg	tagctggagg	aatgttcttg	tatatTTtctc	1440
tggctgatat	gttccctgag	atgaatgagg	tctgtcaaga	ggatgaaagg	aagggcagca	1500
tcttgattcc	atTTatcatc	cagaacctgg	gcctcctgac	tggattcacc	atcatggtgg	1560
tcctcaccat	gtattcagga	cagatccaga	ttgggtaggg	ctctgccaag	agcctgtggg	1620
actggaagtc	gggccctggg	ctgcccgcac	gccagcccga	ggacttacca	tccacaatgc	1680
accacggaag	aggccgttct	atgaaaaact	gacacagact	gtattcctgc	attcaaattgt	1740
cagccgtttg	taaaatgctg	tatcctagga	ataagctgcc	ctggtaacca	gtctctagct	1800
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cttacaagac	aagcctgact	TTTTtctctg	attaccttgg	cctcctcttg	gaaccagtgc	1920
tgaaagggtt	tgaatccttt	acccaacaat	gcaaaaatag	agccaatggt	tataacttgg	1980
ctagaaatat	caagagttga	atccatagt	tggggcccat	gactctagct	gggcaccttg	2040
gacctccagc	tggccaatag	aagagacagg	agacaggaag	ccttcccatt	TTTTcaaa	2100
ctgtttaatt	gcctattact	tctctcaaa	agaacctgaa	gtcagaacac	atgagcagg	2160
tgagaggtga	ggcaagggtt	atcctgaatg	ggagaggaag	tcgaaccact	gctgtgtgtc	2220
ttgtcaggat	gctcacttgt	tcctactgag	atgctggata	ttgattttgt	aacagcacct	2280
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agaagcacat	tctgagcaca	tttgagacct	ctgtgttaga	ggggagactg	cacaaactat	2520
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tgggttttaa	atgacccgtc	taggttactg	cttccttgca	aaaaaagtcg	aatcctgcat	2820
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gttcaactacc	aatgcctgag	cttttctctt	acatagaaaa	actgtccact	ctcagtaatc	3180
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aaaataactc	aaagtgaag	actctggaag	atTTtgcttt	aacctaaactc	gcattgatgt	3600
attaaattta	taatttttagc	attcccaata	gacccatca	ttccttaaac	ataataccct	3660
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aaaactataa	tctttaacaa	attgaaaaat	gaaataggg	gttttccctt	ttgtgcaca	3780
cctatattac	cttaagaaat	ttccttccat	agacagctgc	ctcaaagggga	aatcctcttt	3840
aaaccgtagt	tggcgagag	gtcagtccta	gtcggagctt	aggagggggcg	gagacgctca	3900
catcgtctga	cttgagtcgc	cactgattgt	ggcaacagct	ttgcctcatg	agtcaaaaa	3960
tggcaatttc	ttttgatttt	tagttgttga	atTTgtctgt	tcaagcattt	gtacatatta	4020
gaagtctaag	gagtagcaag	tcagtgggag	gactttttca	cccctggcat	tagcagcttc	4080
gacctcattt	tccagatgca	ccagctccta	ttataagtt	agcaaggaaa	gtgtatgtca	4140
cgtgcaggaa	cagtgaagg	gggacagggg	tctgtctcct	tctcacttca	ccaccggcac	4200
acagcttgcc	cctgtctttg	cccccaaagg	tattttgtgt	ctagtgtcaa	attggagcta	4260
ttcttcaactg	gtccttaacc	ttgggtttta	aaaagaaggc	ttctctgttt	gggtagcgta	4320
agagctgagt	atagtaagtc	ctcttccaaa	gagatggcaa	tatgctgggc	atctacttta	4380
aaacaaagtt	gtctgatttt	tgcaagagag	gttaggattt	tattgttctt	atTTcccttt	4440
acagttctgc	agttccatca	cagtattttt	ttaaataact	caggtgtatg	agaagaaatt	4500
agaaaagaaa	attaacttat	gtggactgta	aatgttttat	ttgtaagatt	ctataaataa	4560
agctatattc	tgtaaaaaaa	aaa				4583

<210> 5290
 <211> 827
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (19)...(492)
 <223> similar to gill110599 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5290
 ccggaattcc cgggtcgact atttcgtctg ctgctggtgc tgtcattgcg ccggcggtg 60
 cgggaagagc tggagaaagg ggccaaggct actgagagga ccttgggtgta cccctggag 120
 ctgccaagg agccaccag tcccccttc cggcctgtc ctgaaccaga tgagaaactt 180
 tgggatcctg tcggttacta ctattcagat ggctccctta agatagtacc tgggcatgcc 240
 cggtgccagc ccggtggggg gcccccttcg ccacctccag gcatcccagg ccagcctctg 300
 ccttctccaa ctcggttca cctggggggg gggcggaact caaatgccaa tggttacgtg 360
 cgcttacaac taggagggga ggaccgggga gggctcgggc acccctgccc tgagctcgcg 420
 gatgaactga gacgcaaac gcagcaacgc cagccactgc ccgactccaa ccccgaggag 480
 tcatcagtat gaggggaacc cccaccgctg cggcggaag cgtgggaggt gtagctccta 540
 cttttgcaca ggcaccagct acctcaggga catggcacgg gcacctgctc tgtctgggac 600
 agatactgcc cagcaccac ccggccatga ggacctgctc tgctcagcac gggcactgcc 660
 acttgggtgtg gctcaccagg gcaccagcct cgcagaaggc atcttcctcc tctctgtgaa 720
 tcacagacac gcgggacccc agccgcaaaa acttttcaag gcagaagttt caagatgtgt 780
 gtttgtctgt atttgcacat gtgtttgtgt gtgtgtgtat gtgtgtg 827

<210> 5291
 <211> 1284
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (38)...(692)
 <223> similar to gil68747 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5291
 ccagagcctg gctgaggtcc tgcagcagct gggggcctcc tctgagctcc aggcagtact 60
 cagctacatc tccccactt acggtgtcac ccccaaccac agtgcccttt ccatgcacgc 120
 cctgtgtgtc aaccactaca tgaaaggagg cttttatccc cgaggggtta ccagtgaat 180
 tgccttcac accatcctg tgattcagcg ggctgggggc gctgtcctca caaaggccac 240
 tgtgcagagt gtgttgctgg actcagctgg gaaagcctgt ggtgtcagtg tgaagaaggg 300

gcatgagctg	gtgaacatct	attgccccat	cgtggtctcc	aacgcaggac	tgttcaacac	360
ctatgaacac	ctactgccgg	ggaacgcccg	ctgcctgcc	ggtgtgaagc	agcaactggg	420
gacggtgcgg	cccggcttag	gcatgacctc	tgttttcatc	tgcttgcgag	gcaccaagga	480
agacctgcat	ctgccgtcca	ccaactacta	tgtttactat	gacacggaca	tggaccaggc	540
gatggagcgc	tacgtctcca	tgcccaggga	agaggctgcg	gaacacatcc	ctcttctctt	600
cttcgctttc	ccatcagcca	aagatccgac	ctgggaggac	cgattcccag	gccggtccac	660
catgatcatg	ctcataccca	ctgcctacga	gtggtttgag	gagtggcagg	cggagctgaa	720
agggaaagcg	gggcagtgac	tatgagacct	tcaaaaactc	ctttgtggaa	gcctctatgt	780
cagtggctct	gaaactgttc	ccacagctgg	aggggaaggt	ggagagtgtg	actgcaggat	840
ccccactcac	caaccagttc	tatctgggct	gctccccgag	gtgcctgcta	cggggctgac	900
catgacctgg	gccgcctgca	cccttgtgtg	atggcctcct	tgagggccca	gagccccatc	960
cccaacctct	atctgacagg	ccaggatata	ttcacctgtg	gactggtcgg	ggccctgcaa	1020
ggtgccctgc	tgtgcagcag	caccatcctg	aagcggaaat	tgtactcaga	ccttaagaat	1080
cttgattcta	ggatccgggc	acagaagaaa	aagaattagt	tccatcaggg	aggagtcaga	1140
ggaatttgcc	caatggctgg	ggcatctccc	ttgacttacc	cataatgtct	ttctgcatta	1200
gttccttgca	cgtataaagc	actctaattt	ggatctgatg	cctgaagaga	ggcctagtta	1260
aatcacaatt	ccgaatctgg	ggcc				1284

<210> 5292
 <211> 4119
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(1772)
 <223> similar to gi3327130 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5292						
tgtggcgacg	gcggcagctg	tggccccggc	gccagcgccc	ggcacggaca	gcgcctcttc	60
ggtgcactgg	ttccgcaaag	ggctgcgact	ccacgacaac	ccggcggttg	tggcgggcgt	120
gcgcggggcg	cgtgcgtgc	gctgcgttta	cattctcgac	ccgtggttcg	cggcctcttc	180
ctcagtcggg	atcaaccgat	ggaggttcct	acttcagtct	ctggaagatt	tggacacaag	240
tttaaggaaa	ctgaactccc	gcctgtttgt	agtccgggga	cagccagccg	acgtgttccc	300
aaggctgttc	aaggaatggg	gagtgacctg	cttgaccttt	gaatatgact	ctgaaccctt	360
tgggaaagaa	cgggatgcag	ccatcatgaa	gatggccaag	gaggctggtg	tggaaagtagt	420
gacggagaat	tctcataccc	tctatgacct	ggacaggatc	attgagctga	atgggcagaa	480
gccacccttt	acatacaagc	gctttcaggc	catcatcagc	cgcatggagc	tgcccaagaa	540
gccagtgggc	ttggtgacca	gccagcagat	ggagagctgc	agggccgaga	tccaggagaa	600
ccacgacgag	acctacggcg	tgccctccct	ggaggagctg	gggttcccca	ctgaaggact	660
tggctcagct	gtctggcagg	gaggagagac	agaagctctg	gcccgcctgg	ataagcactt	720
ggaacggaag	gcctgggttg	ccaactatga	gagaccccga	atgaacgcca	actccctcct	780
ggccagcccc	acaggcctca	gcccctacct	gcgcttttgt	tgtctctcct	gccgcctctt	840
ctactaccgc	ctgtgggacc	tgtataaaaa	ggtgaagcgg	aacagcacac	ctccctcttc	900
cctatttggg	caactcctat	ggcgagagtt	cttctacacg	gcagctacca	acaaccccag	960
gtttgaccgc	atggagggga	accccatctg	catccagatc	ccctgggacc	gcaatcctga	1020
ggccctggcc	aagtgggctg	agggcaagac	aggcttcctt	tggattgatg	ccatcatgac	1080
ccaactgagg	caggagggct	ggatccacca	cctggcccgg	catgccgtgg	cctgcttctt	1140
gacccgcggg	gacctctggg	tcagctggga	gagcgggggc	cgggtatttg	atgagctgct	1200

cctggatgca	gatttcagcg	tgaacgcagg	cagctggatg	tggctgtcct	gcagtgcctt	1260
cttcacagcag	ttcttccact	gctactgccc	tgtgggcttt	ggccgtcgca	cggaccccag	1320
tggggactac	atcaggcgat	acctgcccac	attgaaagcg	ttcccctctc	gatacatcta	1380
tgagccctgg	aatgccccag	agtcaattca	gaaggcagcc	aagtgcattc	ttgggtgtgga	1440
ctacccacgg	cccatcgctc	acatgcccga	gaccagccgg	cttaacattg	aacgaatgaa	1500
gcagattttac	cagcagcttt	cgcgctaccg	gggactctgt	ctactggcat	ctgtcccttc	1560
ctgtgtggaa	gacctcagtc	accctgtggc	agagcccagc	tcgagccagg	ctggcagcat	1620
gagcagtgc	ggcccaagac	cactacccag	tggcccagca	ttcccccac	gcaagctgga	1680
agcagccgag	gaaccacctg	gtgaagaact	cagcaaacgg	gcccgggtgg	cagagttgcc	1740
aacccacagag	ctgcccagca	aggatgcctg	agactgcaga	gcccttgctc	cgtgagcaaa	1800
gcctgggtgc	ccaagcagcc	accgcagcag	cagagtacaa	cctgcagaga	agctgatcac	1860
cgggcagaga	tagagcgagc	atgtgtgtgt	gtgtgcgcgt	gtgcagagga	gggagtgggtg	1920
tgccgtgttg	tgtgtgcatg	catctgttga	cactcatgat	tctgaatgtt	gcctgggctg	1980
ggggagtacc	tgtagcacgc	cagtgtctgt	tcccggcctc	cagacacaag	gctcgaggtt	2040
atggcagaga	ctttcagctg	agacctgttc	ctgcaagcca	gctgccttgt	ctgaacagaa	2100
cgtagtggtg	ggaccttagc	tgggattctg	gcatctgcct	ccctagacct	ccttccctcc	2160
ctcctcacgt	caggctgtgg	agcaggagca	cagcagttct	ggctgttgtc	caaagcatgg	2220
gattctggag	gcagccagag	ccctgctgag	ttcctgcttt	ctgacctgga	ggctgagcag	2280
gccggagtgg	atggatgctg	tccagacgta	gccacctggc	ctctgtttct	tattttaaaa	2340
ttctctgcta	ctgggctcag	tcccaggccc	ttccttgggc	ttctgggact	gagcatgagg	2400
ccatagacag	atctaaaaag	tttccaccac	cctacagaag	tacacacaga	tacctgactg	2460
gtgtggggta	tgcctggtac	tgtaatagga	gcctaagaca	gcacacctac	cttttcagga	2520
tttagaacct	aaaattagaa	agagaatccc	agctgtcatt	gttccttccc	cagaagctaa	2580
gagccagcct	cagagcctac	ccaggagctg	tgaaggggca	agggtcaaac	tgactcactc	2640
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aggctttatt	ctggttgggt	tccagggcct	gtcctggact	tgtcagcatc	cagactgcca	2820
tgtcagctat	cccagtagct	gagctccaag	gactcacgca	gagggactca	aggatgggga	2880
ctgccagggg	cagttggcaa	aagtccaagt	agagattaca	cccaacacac	cattccttcc	2940
aggagcagta	ggtgggagg	ttgacccaga	gaagccaatc	cttgcatctc	aggagtggcc	3000
tgtgcctccc	acctcttccc	tcccactgcc	aaaggcctgt	gttgagaaag	atgtcatgca	3060
aaaggacgac	ggtggccaac	taaagcaagt	cttccttcca	ccctgtggcc	tgacttatga	3120
ccacaaagtg	tgtgtgtgtg	tgtgtgcgtg	tgtggtacgt	gtgtgtgtgt	gtggctatga	3180
ggctgattcc	tgtttggatt	tttgtcctca	cgtgtatcat	taagctggcc	tttgggccc	3240
ttcctttcta	cctccccctg	gacctttcct	agcctcagat	ctgttaattc	ttttggcccc	3300
agccctgtcc	ctcactgtcc	tctgtccttg	gaccagaacc	ctgggggtcag	acccatctcc	3360
tgtagctgtc	catcacactg	acaggcttct	tcctgagata	tcctcagggt	ttctcagcca	3420
gagagctgcc	tttagagtcc	aactgttgta	cgtatgtcac	cttcactaga	aatgtcccat	3480
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agtcaagcaa	acctggaagg	gcaaactctga	gagtgggaag	gccaaaggcc	gaggcccaga	3660
tttagtattc	actagcagcg	ccttcgggta	gcaggatgat	tccttttccc	gcctgtctgc	3720
tgtgtgctct	cttccctaag	gtacagggtg	gcaggaccac	ctccgcctac	ttctccacca	3780
tcctagcat	gccagcccgt	tcccagatca	acctgccagt	ggagtccagg	agtgcactcc	3840
tggagccaag	agggaagggc	agggtagaga	gggtatgtcc	agtagcctgg	agctccatgg	3900
tggtctcatg	cctcccctct	cccagctcag	gtggccctga	gggtccctc	ggaacagtgc	3960
ctcaaatcct	gacccaagg	ccagcatggg	gaagagatgg	ttgcaggcaa	aatgcacttt	4020
atagagattt	tctattgtcg	ggaagggtgtg	tttctcccac	aatttggttg	tgaatattca	4080
cttgttttat	aaatgtctga	cctgtcttga	aaaaaaaa			4119

<210> 5293

<211> 614

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (615)...(187)

<223> similar to gi5262513 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5293

tttttttttta	ctaaacactc	aataacttta	tttgcctttg	gctggctcct	tgggtgtgggg	60
cagggtaggg	tttggcaaca	gcctgggctt	catgcgccct	ctgggtggacc	tcagaggcac	120
gaactggaat	ctggggccaaa	cctgaggact	taacagtcaa	tagcctagga	gggtcgcagc	180
gctcctcagg	tctgcacccc	agacccaaca	tcaggggacg	gggcactctg	ggaggaagcc	240
ctgaacctct	ggctctcata	ctcgcccgtg	ttggacaacc	gcatgttctg	ccgagccttc	300
atctgcttca	cacggtcctt	gtccacttcc	cgcttgggtga	ggatgaagag	gaggatacca	360
caagggaagc	cgatggccca	ggccagtccc	acagctttca	tggggttctt	gcccctcttt	420
ctgggaatgt	attccagctc	cggggatagg	ggttcagggt	cctccttgcc	ctctggggag	480
ctgtggcttt	gcaggggccg	ggtcctgtta	tgagaagcct	tgttagctgt	ggctcctgcg	540
agaatccccc	ggaggacgcg	ggcatttctc	gccccccggc	ccttcagcgc	cgtagcagct	600
accaccgccg	ccat					614

<210> 5294

<211> 1730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(584)

<223> similar to gill122398 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5294

ggggcactat	tatcacacca	gatgaataca	ctggaaaaat	aatgatgctt	tgcgaggctc	60
gaagagcagt	tcagaagaat	atgatattta	ttgatcaaaa	tagagttagt	cttaaatatc	120
tctttccttt	gaatgaaatt	gtggtagatt	tttatgactc	tttgaaatcc	ctatcttctg	180
gatatgctag	ttttgattac	gaagatgcag	gctaccagac	tgcaagaact	gtaaaaatgg	240
atattctact	gaatggaaat	actgtagagg	agctagtaac	tggtgtacac	aaagacaaag	300
ctcattcaat	tggcaaagcc	atatgtgaac	ggctgaagga	ttctcttctc	aggcaactgt	360
ttgagatagc	aattcaagct	gctattggaa	gtaaaatcat	tgcaagagaa	actgtgaaag	420
cctataggaa	aaacgttttt	gcaaaatggt	atggtggtga	tattaccoga	aaaatgaagc	480
ttttgaagag	acaagcagaa	gggaaaaaaa	agctgaggaa	aattggcaac	gttgaagtgc	540
caaaagatgc	ttttataaaa	gttctgaaaa	cacaatcttc	taaataattg	gtgggaaaac	600
aaagaatttt	cattgcaatt	tgtaatatgc	tgacaacaga	aagaaaatta	taaaatttgc	660
ttgttacttt	cagggtatcc	aggttcaaat	aacctactag	tctttcgttg	aaagggagta	720
gttagtgggt	aggcaagagc	ttagattttg	aagccatggt	gcctgctctc	aaatatctgt	780
tccaaccact	cactagtaag	gtgaccgtgg	ccagattaac	ctttgtttcc	tcttcagtaa	840

aatcgagatt	atactactac	ctacataagt	tggtgttg	aagattaaat	gaggtaatac	900
gttaaataatt	cagaggtgca	agacacatag	taagcactca	attgtaacta	cagttaagtc	960
cttaaatagcc	atcgaaaggt	tcttagaaac	tgactttaag	caaaatgaca	cgtagcacia	1020
tggtcttgaa	tgatgtcatt	tccttaagt	gtttgtaaca	tcgatgagga	aaaaaaattg	1080
gtttatgcgt	catttcattt	tatttttatt	tattttttga	gacagagtct	tgccctgtcg	1140
cccatgctgg	agtgcaatgg	cacaatctcg	actcactgca	acctctgcct	cctgggttca	1200
agagattctc	ctgcctcagc	ctccattaca	ggcgtgcacc	accatgctcg	gctaattttt	1260
tgtatcttta	gtagagtcgg	ggtttcacca	tggtggccag	gctggtcttg	aactcctgac	1320
ctcgtgatcc	acccaccgtg	gcctcccaaa	gtgctgatta	cagggtgtgag	ccaccatgcc	1380
cagccatgtc	atttcattta	aagtcacaa	ttccatgaat	ctcaacaagt	gaggacctgc	1440
tatatattgt	tgcatgcagt	ttttctttac	ggacactaaa	aggccccata	cttaagattc	1500
catctacttt	aagtttaaag	gattttcaga	atcaccttaa	gtgtcaaatt	tgtagcagg	1560
attaattgat	atgaattcac	ttattaaaca	gtaaactcaa	ataacataga	catcaaataa	1620
cagacatctg	ctctagttaa	tgataaaatg	tttatagatt	ttatcagggtg	agtagtttga	1680
aactaaatgg	tttacatcta	aattaagggc	aggagctgtc	tttcagacat		1730

<210> 5295
 <211> 699
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (700)...(409)
 <223> similar to gi3747107 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5295	
aacacattta	aaaacatttt ggcagctttt tagttgattc attaaacttg ctttattcat 60
caatattaaa	gtcgggaaag taaaaaatgg taaatagcca tggataaaca ttcaaaaata 120
gcatttttga	tgaccttaaa ttatttttaa agccttcagt acctaaaatt ttatatatat 180
actttcatat	tccccctct aatactttcc ttgcattaac cctggagcat acacaacttt 240
tgaaaaagtc	aaaaaatcga gattgttttc ccagggtaaa gatagtttga aggctggaat 300
aataaggatt	tgctgaatgt atcgttgctg ctggtgttaa gatctcaagt caatccctcc 360
ctggttgctg	aagccatata accctagtgg atccatcact catcactaca ccatccgata 420
cacagggtca	ccaactctca ggcttccaat tttttccact gaataataga tccccaaaag 480
tgagagacaac	ttgtacaatt ccctctcaga aggatcacac aggcggtagc tcttcagggt 540
gtccagtggc	tgtttcctgt ctatgactcc agtgtctggg tccaccgttg tcaaaaataca 600
cctggggcat	gccattacct ttttcacttc tacactacca attaggagtt catcccaggt 660
atcctcctca	aaagcatcac agccggtcac cacaatatt 699

<210> 5296
 <211> 1810
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (45)...(1432)
 <223> similar to gi3168866 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5296

ggaggcagga	ggagcaagaa	gtggaaacaa	gagcagtgcc	gtccccctcct	cctcccccca	60
tcgtgaagaa	gccattgaag	caaggtgggg	ccaaagctcc	aaaagaggct	gaggctgagc	120
cagccaagga	gacagcggcc	aagggccatg	gccaagggcc	agcccaaggc	agggggactg	180
tggtgcgcag	ctcatactcc	aagcccaagc	ggccacaacc	cagcagggaa	attgggaaca	240
tcatccgcat	gtaccagagc	cgccccgggc	ccgtgcctgt	gcccgtgcag	ccatccaggc	300
ctcccaaagc	tttcctgagg	aaaatcgacc	ccaaggacga	ggctctggcc	aagctgggta	360
tcaacggtgc	ccactcgtcc	ccgccgatgc	tgtccccag	cccaggaaag	ggccccccgc	420
cagctgtggc	tcctcgaccc	aaggccccgc	tacagcttgg	gccctctagc	tccatcaagg	480
aaaagcaggg	gccccttctg	gacctgtttg	gccagaagct	gcctattgcc	cacacacccc	540
cacctccacc	agcgccacca	ctgcctctgc	ccgaggaccc	agggaccctt	tcagcagagc	600
gtcgttgctt	gacacagccc	gtggaggacc	agggggtctc	caccagcta	ctcgcgccct	660
ctggcagcgt	gtgcttctcc	tacaccggca	cgccctggaa	gttgttccta	cgcaaggagg	720
tgttctaccc	acgggagaac	ttcagccatc	cctactacct	gaggctcctc	tgtgagcaga	780
tcctacggga	caccttctcc	gagtcctgta	tccggatttc	ccagaatgag	cggcggaaaa	840
tgaaagacct	gctgggaggc	ttggagggtg	acctggattc	tctcaccacc	accgaagaca	900
gcgtcaagaa	gcgcacgtg	gtggccgctc	gggacaactg	ggccaattac	ttctcccgt	960
tctttcctgt	ctcgggcgag	agtggcagcg	acgtgcagct	gttagccgtg	tcccaccgtg	1020
ggctgcgact	gctcaagggt	acccaaggcc	ccggcctccg	ccccgaccag	ctgaagattc	1080
tctgctcata	cagctttgcg	gaggtgctgg	gtgtggagtg	ccggggcggc	tccaccctgg	1140
agctgtcact	gaagagcgag	cagctggtgc	tgcacacagc	ccgggcaagg	gccatcgagg	1200
cgctgggttg	gctattcctg	aatgagctta	agaaggactc	cggctatgtc	atcgccctgc	1260
gcagctacat	cactgacaac	tgcagcctcc	tcagcttcca	ccgtggggac	ctcatcaagc	1320
tgctgccggt	ggccaccctg	gagccaggct	ggcagtttgg	ctctgccggg	ggccgttccg	1380
gactctttcc	tgccgacata	gtgcagccgg	ctgccgctcc	cgacttttcc	ttctccaagg	1440
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gggacagggc	ctcagagggt	aggaagatgg	gagagggaca	agcagaggca	aggcctgcct	1560
gagactgagg	aaggaaaggg	gtttgaccac	tcccagggct	gccatgcggg	gggaccaccc	1620
tgctgtccgt	ctcctgtggc	tgccccctctg	cccgtcctctg	atggctcgcc	ttgtctctcc	1680
agcaagactg	tgcactcctt	gcaggcaggg	gctgggctgg	atgctgctct	tgtgtcccac	1740
gtggtactta	gttcaaggct	gccccagcag	atgcttaata	aacagctctt	cactttcctg	1800
aaaaaaaaa						1810

<210> 5297
 <211> 1247
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)...(1077)
 <223> similar to gil216313 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5297

gaaacttttg	aagaattaat	tgactgctct	ggggggtgta	ttctaggagg	tttgggtggat	60
gcacacacac	atccagtatg	ggctggtgaa	agagttcacg	aatttgcaat	gaagttggca	120
ggagccacct	acatggaaat	tcaccaggcc	ggaggaggga	tccactttac	cgtggagcgc	180
acgcgcgaag	ccacagagga	ggagctgttc	cgctccttgc	agcaacggct	ccagtgcacg	240
atgagggctg	gcaccacgct	ggtggagtgc	aagagtggat	atggcctcga	cctggagacc	300
gagctcaaga	tgctgcgcgt	gattgagcgc	gcccggcggg	agctggacat	cggcatctcg	360
gctacctact	gcggggctca	ttcagtgcct	aaaggaaaaa	ctgctactga	agctgctgat	420
gacatcatca	ataaccacct	cccaaagctg	aaggaaacttg	gcagaaatgg	ggaaatacac	480
gtggacaata	tagacgtatt	ttgtgagaaa	ggtgtctttg	atctcgattc	caccagaagg	540
attcttcaac	gtggaaaaga	tatagggtta	cagattaact	tccatgggga	tgaactccac	600
ccgatgaagg	ctgctgagct	tggggctgaa	ctgggagcgc	aggcaatcag	ccacctggaa	660
gaagtgagtg	atgaaggcat	cggtgccatg	gcaacggcca	ggtgctctgc	catccttctg	720
cccaccacag	cctacatgct	gagactgaaa	caacctcgag	ccaggaagat	gttagatgaa	780
ggagtaatag	ttgctctggg	aagtgatttc	aaccccaatg	catattgctt	ttcaatgccca	840
atggtcatgc	atctggcctg	tgtaaacatg	agaatgtcca	tgcttgaggc	cttggccgct	900
gccaccatca	atgcagctta	tgactgggga	aagtctcaca	cacacggatc	gttggaagtt	960
ggcaaacagg	gagatctcat	tatcatcaat	tcatcccgat	gggagcattt	gatttaccag	1020
ttcggaggcc	atcatgaatt	aattgaatat	gttatagcta	aaggaaaact	catctataaa	1080
acatgataga	tttggaaaaga	gaagactttt	tgactatatg	aaataagtca	atatagttat	1140
attaaaagtt	aaaacacctt	aatattttaca	agaattatat	cacttaaacc	taaattgtact	1200
tcaatgtctt	tttaagtcac	tcaaaaaaacc	caagggatag	atttatt		1247

<210> 5298

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1692)...(1434)

<223> similar to gi5788103 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5298

tcaagcactg	aagacgcaaa	actgaaacaa	caggcaaggg	cgagtggaac	gtgggatggg	60
gagcaaaaagg	ctggaaggag	gggggctggg	cccacacctg	gaagaacca	catccttgca	120
gcctccggtg	gctgcaacat	cttgccccct	gcagatcttt	tcagaggtcc	ggcacaatga	180
ctccacagag	ggctgactgg	ttccatgatg	cttaagaggt	taggaagctt	gtaggaggca	240
cgctgactt	gccactccct	ccaccaggcc	ctgactatct	gaggaccaat	tcacacacct	300
ggagccccga	gtagcagcct	gaaggaaatgc	taaggaggta	ggtgaggagg	tggggggcag	360
gcccttgccc	ccatttcttg	attgtataac	acttcattaa	aataaaatca	cgcagtgccca	420
tcttttatta	gacattttta	taccatatca	aaacaccttg	actaatgaag	aaagcttttc	480
tcccaagctt	tgaacatttt	tttaaacatt	ttataagttt	ttttttgtat	tttaatatat	540
aaatacagaa	acctatcttg	catgggctga	tgccacgtgt	gaacatcaat	ggctaaaatg	600
ttctcaaaca	tagtgcctga	aaacaggggt	agctgtacat	atttcttagt	aagtcttttt	660
ttgtttaagt	tttctgaaaa	aaaaaatcca	cgagggccta	agaataatgt	tcaggcattt	720

ttgcaggaca	cttgtgattg	ttaaatacctc	tgaactgacc	ggaaccagga	ggaaagaagg	780
gaaaagagat	gggatcagta	ggaagaaagt	tctcaatggg	ttgttttttg	gcaatgaagt	840
caagatatta	gggtctcaag	gggagaaaag	agcaaaaaac	cagccagaaa	aatagaggga	900
aaaaaccaa	caaacccaa	gtagagaagt	tggtggtgga	gagggccagt	tggggcaggg	960
gaagagaccg	tgtgctcgcc	cgccgtcaga	aggctggcag	cgaggcctta	gctgtgttcg	1020
tctgtcactg	agtgggttat	ggctgggcag	caaacagcaa	gctgtaaaca	tcacgaggga	1080
aaacaccagt	cgacactaga	cttttttttt	atataatttt	tttttgtaaa	cacttttaaag	1140
acagacccac	aatgcctttc	aaagatgaaa	aagaaaatgc	cctttccctc	ctgggctgag	1200
gggtgagggg	aaggatagca	gttgattcat	tcttctctca	aacttgctct	catccaattt	1260
ggtgtcctca	gggaggaagg	gagaaccatg	atctggaagt	cagtgcagaa	ggggtgccct	1320
gttcccgctg	gtgtcccaag	ctcagctctg	ccccagggtc	cggtgagcct	cctccctgga	1380
gcaggggcgc	tctgtccctt	tgagaggagt	cagcaagcaa	gcccgcaggt	cagtccgcag	1440
ggtgttccgg	acaagatctg	ttcacttcaa	accacgagtc	tatgcagctt	ttgtgataga	1500
tgacacaggc	gggcagcctg	gctatcgtgt	ccccctgcag	cagctcctcc	aggcagatca	1560
cacactcacc	cgcgtcttta	gtcagcacat	catcgttgta	ggagaggcga	ggtttgctca	1620
aacacattat	aaagtgcatt	tccatctcgt	caaaagccac	agacttggag	caaatggggc	1680
acttgaacc						1689

<210> 5299
 <211> 1460
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1252)...(353)
 <223> similar to gil293835 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5299	
tttttttttt	ttggccaaac agatttggtca ttattgtaca catagctgga agggaggggt 60
ggtcccgggg	taaggacagg gctgcccaat atttgggggg aggaagggac tcttcttcca 120
aatgggcttg	tccgggaacc ggggtcccgg ggagctgggc gcctgggtcca catggacccc 180
ctccacctcc	ccacatacgc tgtggaagaa gggcaggagt gagaaatgct gggggaggac 240
gacccttttg	tctgagatgt ggagggtgatc ataacagttc ccgcccgtcg gctgttttgt 300
tgaactttga	gaggccttcc cggaaccagg agtccgtcat tacttgctcc atctgaacat 360
cctcctcgtc	ctcctggggc agctgcagggt acgggttggt ccctgtgggc tggaacttgt 420
agcccgtgag	cacgaagaag gccagggtgg agccctccac caagagctgg tacagccact 480
gccactgaaa	gggcacagcc acctgcagca ggatggcgat gatgcgggtg aagtagacgt 540
agcagatgac	catgacatag taatgccgga acagcttcag cttggccagg ttcactgcca 600
ccttcccgtc	tgtgccagac gcatcctgga gatgccgat ggaccagact acggggaaca 660
ggatggcacc	acagcagatg aggtccacca ggaacaaaat ctccctccac agcacgtagt 720
cgctggcgcc	ttcctcgcgg gactcgatga tgatgtaggc cacgttggcc aggacctgca 780
tggggatcac	gatcccaaag accttcttct ccttatccga caggacgtac ttgatgaagg 840
cccagcctga	gccaatcagg gcgatggtga tgaagaggag ggcgcccttc agcagggtgtg 900
cgatgtagta	catgacggca aggccttcga tgggggtggc ctggctgttg atgaagtagt 960
agttgatgct	gtggaagagg agagagatgc tcttggtgaa ggccaaggcc gccatgagcc 1020
agtggatctt	gaagacgctg tacgtgttcc tgcagaggat ggacacccag aagatgccag 1080
cggccaggaa	gcaggcggac atgacatgt agagcttgaa aaggggcatc tccgctgccg 1140
acaggaagcc	atcgggggtt ttctcccgga tcatcacctg gatgtcgaat ggatgctcct 1200

ttcctggcac	tgaattgttg	cagttgtgga	agttcaggct	gtactggcct	tcttccgcct	1260
gagagccgat	caccacgtgg	aaactgaagt	tgtaggagtt	gttgagggtg	ctcaggccca	1320
acaccaggtc	cttgtccttc	ccactaggac	cctgaatcac	tgcgggtgtt	gacttgggct	1380
tgctggctgc	agaggctcct	ccgccatcca	ccttgccggg	gactgtggcc	tgtggcttcg	1440
ggaattccac	cgactggac					1460

<210> 5300

<211> 2335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(976)

<223> similar to gi2622298 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5300

gatcttttga	tttcatacat	ctagaccctt	ttggaacatc	agtgaattat	ctagattctg	60
cattcagaaa	tataagaaac	cttggcatag	tgtcagtgc	ttctacagat	atcagttctt	120
tatatgcaa	ggcacagcat	gttggccggc	gtcactacgg	atgtaacatt	gtccgaactg	180
aatattacaa	ggaactagca	gccagaattg	ttgtagctgc	agtggcaaga	gctgcagccc	240
gatgcaacaa	aggcatagaa	gtactgtttg	cagtggctct	ggaacatttt	gtgttggtag	300
ttgtgagagt	tttgagggga	cctacttcag	cagatgaaac	agccaagaag	attcaatacc	360
tgatccattg	tcagtgggtg	gaagagagaa	tttttcagaa	ggatggtaat	atggtagaag	420
aaaaccata	tagacagctg	ccttgtaact	gtcatggaag	catgcctgga	aagacagcaa	480
tagaacttgg	acctctgtgg	tcaagttccc	ttttcaatac	tggattcctc	aaaagaatgc	540
tattttgaatc	tcttcaccat	ggtttggtatg	acattcagac	cctaataaag	acattaatct	600
ttgaatcaga	gtgtacgcct	caaagtcagt	tttcaattca	tgcattctca	aatgtcaaca	660
agcaagaaga	aaatggtgta	tttattaaaa	ctacagatga	caccacaaca	gataattaca	720
ttgcacaagg	aaagagaaaa	agtaatgaaa	tgatcacaaa	tttaggcaag	aagcaaaaga	780
ctgatgtcag	tactgaacat	cctccctttt	attacaacat	tcacagacac	agcattaaag	840
gaatgaatat	gccaaagtta	aaaaagtttt	tgtgctattt	atctcaagca	ggctttcgag	900
taagccgaac	tcattttgac	ccaatgggtg	tacgcacaga	tgcacctctg	atgcagttta	960
aatctatcct	tttaaagtac	agcaccacca	cctacactgg	aggacagtca	gaaagccatg	1020
tccagtcagc	atctgaagat	acagtaactg	aaagagttga	aatgtcagtg	aatgacaaag	1080
cagaagcaag	tggctgcaga	agatggtaaa	cgtagagaag	aattggttct	caggtgtctg	1140
tatagatggc	ctaatagttc	tctataccaa	ctgtagttct	ttttctgttc	tttcaattca	1200
gtagagtaaa	aataaaaaac	agtgtcattt	tcattcagaa	actgagcagt	ttctaactta	1260
gctgggtttg	gagcttttgc	ttccaagttt	ttttttgttt	taaggcaaac	ttaaaatttt	1320
aatggaaaac	tttcatatga	agccaagtct	cactgagatc	accctactgc	ttaataattc	1380
agaaaatttt	cacatgcaaa	gtgtttggaa	ttttatgtat	gttatgaaag	ccatctttta	1440
caattcttaa	tcacatctct	gcctaaactg	attcatgatg	tttatgtttt	cctgtttgta	1500
gtgtacaaaa	tgaagctgaa	ggctcacatg	ttaaaatgac	cctgaataga	ataggaaaga	1560
caatgttctt	acaggtcata	atgtattttca	caattaaaaa	actaaaatat	gtacccattt	1620
ttaagaaatc	atacttctct	ccacattgat	cttttcattt	cttactagct	tttaagaaat	1680
taaataacttg	cctgagatag	aaatacttta	tttttgtaac	tttaaggtct	aaatgactaa	1740
acttcaaagt	aagattttgt	cagaataaat	tgagaccatt	aatctaatat	aatacttggt	1800
catgagcact	gaaatcctga	agaggagaga	tttggttata	aattaaaaag	gttgggtgat	1860
cttaagtgcc	tcagttaatg	cacgtacagt	attcatttgg	ttggttgtac	tacctctcag	1920

<220>
 <221> misc_feature
 <222> (2057)...(1052)
 <223> similar to gi4378887 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5302

aaaat	ttatc	taaac	tccgt	aaaga	aaact	ttcca	acagc	cagga	tatgg	agggt	60	
gtttt	taccc	ttttt	cccct	taaaa	ttttt	ccct	aaagc	cctta	atttt	ctgtag	120	
ggagg	ttgtc	ccaat	atgtc	cccccc	caa	aataa	agttc	ctttc	caaaa	attcc	caagt 180	
agggt	ttaat	tcggg	ccccct	ataag	gaaaa	aaatatt	acc	ttgca	agccc	gggtaaa	att 240	
tggcc	cccccc	aaggatt	ctt	taaa	acggc	ccccct	ttttt	ttttt	ttttt	catcc	ataaa 300	
catat	gtctt	tattct	cttt	ctgtac	atat	gggca	atgat	aaagc	ttaaa	gatgc	atgtc 360	
ctaag	aaata	tgcaaaa	aca	atgaat	ttac	ataaata	att	tatact	tcag	aaaatt	aaag 420	
ttgaa	aaata	ttttcc	acat	tattag	agtt	cacagt	attt	aaatc	aaagc	ttccc	actta 480	
tactc	cagac	tatat	gtct	tagca	gagag	tgata	aaatc	taatc	aggaa	taaaat	gatc 540	
aagtt	ctgt	ttttatt	cag	tgca	cagta	gacgt	attt	cagtat	cagg	ccgcg	cgaag 600	
tgtcg	aggct	gcagc	ctct	atcct	gaccc	ttcccc	ctct	gagt	ggctgt	gaccc	agcag 660	
aggtc	actgg	cgtgg	aatgg	ttacag	cgtc	accaa	accac	tccac	gggtg	acacatt	caa 720	
ccgag	cggta	acatc	tgggt	gtctg	atgcc	tcattt	ccaa	gtaata	acttt	ttatag	ccct 780	
gaaaat	ggaa	acctt	ggcat	ctaa	acaa	ac	agagc	tgaac	ac	tagga	caagg 840	
cactg	tacta	tgggg	gtttg	tttct	tttat	g	gaaagg	gtgt	ttgca	tagat	tgctag	ctat 900
ttagt	gtgca	ggaaa	acaga	gcccc	cagcg	tgcat	ggctt	tgtg	aggggt	gaagc	tgc	at 960
ggtgc	tcct	cagcccc	aag	agagc	gcagt	ctctc	attct	ccagc	ccccag	ccttg	tggggc 1020	
tgtccc	gctg	gtgct	gtcct	ttaga	acccc	tacag	gagag	ttttt	tgctc	aaaaa	agctgc 1080	
aggtc	aaaac	ggacc	cagac	ctcccc	gggtg	gggac	ctcat	gcagc	agcag	tcggc	gggtc 1140	
ataggg	cctt	tgctt	tcctg	ttctg	ttcga	atttt	tgcca	ctgga	atttc	agtac	gaccc 1200	
aggaaa	cat	ctggt	gaaaa	ctggt	ctctg	tcaa	acagg	tgaga	cacag	cacgt	cttgg 1260	
tagaga	tcct	taata	aaaga	ctggc	agtta	aaatt	ccact	tggga	ttgag	tgtgt	ctctgg 1320	
atggc	ctgg	tgg	ttagct	ctggg	agccc	atgct	gat	ttt	cacag	tatgg	gttgc	ctctt 1380
ccattt	gggt	tgcag	gcttt	taatt	ctgta	gctt	caatga	catgc	accat	caggc	gcccc 1440	
atgcct	gaag	tcttt	tggga	gcggg	gcttgg	taagc	tttct	cacgc	ttctt	cttct	cggtg 1500	
tcgat	gtact	gctca	gacgc	cgctt	gatc	ttctg	acccc	aggc	ggctc	ctcat	taatg 1560	
ttgtc	tgttc	ggagg	gtgta	gaccc	gatca	atgtg	ggaaa	tgtg	gaagac	aggct	catcg 1620	
ctgga	aggggt	ctgtg	ggcag	tttca	ccaag	acttc	attca	ggaaa	atggg	cgttt	tatac 1680	
atttt	gaatt	gagca	ttgga	cttcg	agctg	aaaag	tttct	cagag	ccaga	ggaaa	cagca 1740	
aactg	cttga	ccatg	taggt	aaga	agcag	aagtc	attga	agag	gaatcc	gtgc	agttcc 1800	
ttggt	gctct	tgg	tcttga	taatt	tccca	ctgtg	taaga	gctt	ccggg	cccag	gcag 1860	
ttggt	gagag	agttg	aaaaat	aagtt	gctcc	gcgag	gcctt	cacac	ctgc	ac	cttg 1920	
atccac	tcca	gtcgg	tccga	gtttt	ccctt	tccc	gaactc	cctc	attcac	ttgag	agcac 1980	
agctc	ctctg	cccgc	tcgag	ggcc	agcttt	aggg	aggaat	ggtct	gcatg	gctct	ccggg 2040	
gtgtt	ctcca	gaatc	tggaa	aagag	tgggc	agtgt	cacat	ggggg	agctg	cgtct	ctcac 2100	
ctgccc	acct	ggacc	ttcgc	aggac	cgctc	ctcca	acccc	atgtt	atgga	ctgct	tccat 2160	
gccct	ggaaa	cgcg	gcgggtg	aaca	agacga	cactt	tcgc	cctt	gagaaa	ctcgt	actcc 2220	
caca	agttct	tgggg	acaca	gggac	aggtga	acgct	gctgt	gaca	aggtga	cagt	gctaaa 2280	
cggat	caagt	gctct	gaact	gtgtg	gggtct	ctggt	tgcctc	tccg	actggc	tccc	ggaat 2340	
aggc	gggagc	ctccc	gactc	cttcc	gaaat	ttaag	ccatg	taagg	gtg	ccctc	ctgta 2400	
taaact	ggct	gcagc	tgtgg	taagt	gtgaa	cttg	ctgaat	agca	atgggt	cata	2454	

<210> 5303

<211> 1751
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (50)...(796)
 <223> similar to gi4102980 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5303

taagaaaaca	aacttttctcc	gttctatgac	tgctctcttg	gacccagctc	agattgagga	60
acgagacaga	cgacgacaaa	aacaattaga	gcatcagaaa	gccatcactg	cccaggtaga	120
agagaagcgc	aggaagaaac	aactggagga	agagcaaaga	aagaaggaag	aacaagaaga	180
ggagcttcgc	ttagcacagg	aacgtgaaga	gatgcagaaa	cagtatgaag	aagacatact	240
taagcaaaaa	caaaaggaag	aaatcatgac	tctcaagaca	aatgagctat	tccagacaat	300
gcagcgagca	caggaactgg	cacagagact	aaaacaagaa	caaagaatcc	gagaattggc	360
gcaaaagggg	catgacactt	ctagactgat	taaaaatctt	ggtgttgata	caatacaaat	420
ggaatataat	gcatctaaca	tttcaaattc	aagacatgat	tctgatgaaa	tcagtggtaa	480
aatgaataca	tatatgaatt	ctacgacttc	ttctaagaag	gatactgggtg	tgcaaacaga	540
tgacttaaat	ataggaatat	tcaccaatgc	agaatcacat	tgtggatcat	taatggagag	600
ggacatcaca	aattgttcat	ctcctgagat	ttcggcagaa	cttattggac	agtttagcac	660
caagaaaaac	aagcaagaac	taactcagga	taaaggagcc	agcttagaaa	aagaaaacaa	720
tcggtgtaat	gaccagtgtg	atcagttcac	aagaatagag	aaacaaacaa	aacacatgaa	780
gaaatatcct	aaaaggcctg	attggaatat	aaataagcca	cctaaaagggt	atattccagc	840
atcagaaaag	taccctaaac	agcttcaaaa	gcagagagaa	gaaaaaaaag	taaggaggca	900
gatggaattg	cttcatttgg	tagaaaaaaa	taatcctggg	cacctctctc	aaaacagagg	960
catttcacca	gaaatttttc	attcatctca	tcaagaaacg	gagtcaaagt	tgagggtggca	1020
tctagtcaaa	aaggaagaag	agcctctgaa	tattcattca	ttcagcaagg	aaaggtctcc	1080
atcatcacca	gttccagtag	tgaaaaacag	aacccaacaa	actcaaaata	cattacattt	1140
accactaaaa	aacagtagct	atgagagaga	gaatttgatc	tcaggaagta	atcaaacaga	1200
attatcatct	gggattttctg	aatcatccca	ttttattccg	tatgttcgaa	caaattgagat	1260
ctattacctt	gatcccgatg	caccattgtc	tgggccttca	accagggacc	ctcagtagca	1320
aaattcacaa	gactgtggcc	aaaaacgaca	gctatttgat	tctgactgtg	tcagggatcc	1380
acttcttaat	cctaacatgg	tgaaaaatag	ggatcgacag	caagcaatcc	ttaagggact	1440
ttcagaactg	agacagggcc	ttctccagaa	gcaaaaggag	ttggaaagta	gtctcctgcc	1500
cttttagctga	aaatcaagaa	gagagttttg	gttcttcatt	ttaaattgtag	aaaatcaaat	1560
ccttcacatt	tgattttgtgt	cttccaaatt	ataaaatgtg	ctcactggct	caactgtatt	1620
tttcaaatag	cctagatttta	cttatttttt	taaatgctca	ttaaaaactt	gtatactatg	1680
tagtaaaatg	ctgtacttgt	tctatacaat	aaaacagata	cttcttttgt	aaaagcttag	1740
tagtaaaaaa	a					1751

<210> 5304
 <211> 1110
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)...(649)

<223> similar to gi3327100 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5304

ctccaaggag	catctctgta	tgacttgctc	ggcatggaag	tagagttgag	ggaaatgaga	60
acagaagcca	ttgccagacc	tctggaaata	aacgagactg	aaaaagtgat	gagaattgca	120
ataaaagaga	ttttgacaca	ggttcagaag	actaaagacc	tgctcaataa	tgtggcctct	180
gatgaagcta	atttagaagc	caaaatcgaa	aagagaaaat	tagaactgga	aagaaatcgg	240
aagcgactag	agactctgca	gagtgtcagg	ccatgtttta	tgatgagta	tgagaagact	300
gaggaagaat	tacaaaagca	gtatgacact	tatctggaga	aatttcaaaa	tctgacttat	360
ctggaacaac	agcttgaaga	ccatcatagg	atggagcaag	aaaggtttga	ggaagctaaa	420
aacactctct	gcctgataca	gaacaagctc	aaggaggaag	agaagcgcct	gctcaagagt	480
ggaagtaacg	atgactcgga	catagacatc	caggaggacg	atgaatccga	cagtgagttg	540
gaagaaaggc	ggctgcccac	gccacagaca	gcatggaga	tgctcatgca	aggaagacct	600
ggcaaacgca	ttgtgggcac	gatgcaaggt	ggagactccg	atgacaatga	ggactcggag	660
gagagtgaag	ttgacatgga	agatgatgat	gacgaggatg	acgatttgga	agacgagagc	720
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tgtaggtaaa	tgggaactta	gaaggtagg	aaggtaaccc	ctgttttggt	tactaagctg	900
gctggactca	tgatcactga	agcaatactt	atttctgctt	tagcctccta	tgtttgcatt	960
ccatgaagct	taaataagaa	ttgaagcaaa	tccctaagat	ttattttttt	ccaccttatt	1020
tatcttctaa	aacttgagga	atgcatgtgt	tcttagtgat	tcacatccac	gggacaaaaa	1080
ctcaagaaga	aataagagct	gacgccacac				1110

<210> 5305

<211> 1925

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1440)

<223> similar to gi5911316 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5305

atggcctgga	acaccaacct	ccgctggcgg	ctgccgctca	cctgcctgct	cctgcaggtg	60
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tggtcagaga	ggacgcacaa	gaacttgagc	gacatggaga	acgaattcta	ctatcgctac	180
ccaagcttcc	aggacgtgca	cgtgatggtc	ttcgtgggct	tcggcttcct	catgacttcc	240
ctgcagcgct	acggcttcag	cgccgtgggc	ttcaacttcc	tgttggcagc	cttcggcatc	300
cagtgggcgc	tgctcatgca	gggctggttc	cacttcttac	aagaccgcta	catcgctcgtg	360
ggcgtggaga	acctcatcaa	cgctgacttc	tgcgtggcct	ctgtctgcgt	ggcctttggg	420
gcagttctgg	gtaaagtcag	ccccattcag	ctgctcatca	tgactttctt	ccaagtgacc	480
ctcttcgctg	tgaatgagtt	cattctcctt	aacctgctaa	aggtgaagga	tgcaggaggc	540
tccatgacca	tccacacatt	tggcgcctac	tttgggctca	cagtgaccgc	gacctcttac	600
cgacgcaacc	tagagcagag	caaggagaga	cagaattctg	tgtaccagtc	ggacctcttt	660

```

gccatgattg gcacctcttt cctgtggatg tactggccca gcttcaactc agccatatcc 720
taccatgggg acagccagca ccgagccgcc atcaacacct actgctcctt ggcagcctgc 780
gtgcttacct cgggtggcaat atccagtgcc ctgcacaaga agggcaagct ggacatgggtg 840
cacatccaga atgccacgct cgcaggaggg gtggccgtgg gtaccgctgc tgagatgatg 900
ctcatgcctt acggtgccct catcatcggc ttcgtctgcg gcatcatctc caccctgggt 960
tttgatatcc tgacccatt cctggagtc cggctgcaca tccaggacac atgtggcatt 1020
aacaatctgc atggcattcc tggcatcata ggcggcatcg tgggtgctgt gacagcggcc 1080
tccgccagcc ttgaagtcta tggaaaagaa gggcttgctc attcctttga ctttcaaggt 1140
ttcaacgggg actggaccgc aagaacacag ggaaagtcc agatttatgg tctcttggtg 1200
accctggcca tggccctgat ggggtggcatc attgtggggc tcattttgag attaccattc 1260
tggggacaac cttcagatga gaactgcttt gaggatgcgg tctactggga gatgcctgaa 1320
gggaacagca ctgtctacat ccctgaggac ccaccttca agcctcagg accctcagta 1380
ccctcagtac ccattggtgc cccactacc atggcttcc cgtaccctt ggtaccctaa 1440
gctcccaggg caggtgagga gcaggctcca cagactgtcc tggggcccag aggagctggt 1500
gctgacctag ctagggatgc aagagtgagc aagcagcacc cccacctgct ggcttggcct 1560
caaggtgcct ccacccctgc cctcccttcc atcccagggg gtctgactga gaatggagaa 1620
ggagaagcta caaagtgggc atccaagccg ggttctggct gcagaagttc tgcctctgcc 1680
tggggtcttg gccacattgg agaaaaacag gctcaaagtg gggctgggac ctggtgggtg 1740
aacctgagct ctcccaggag acaacttagc tgccagtcac cacctatgag gctcttctac 1800
cccgctgctg cacctcggcc agcatctcct atgctccctg ggtccccag acctctctgt 1860
gttggtgtgc tggcagcctc caggaataaa cattcttgtt gtcctttgta aaaaaaaaaa 1920
aaagg 1925

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<210> 5306

<211> 2679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (269)...(908)

<223> similar to gi3786433 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5306

```

acgttttttag aagacagcta ccaagtatat atttcgggggt tgtagagttc aaataataaaa 60
tctctagctt cataatgttt ctaagcttct ctccctttta aaatttttgg tattagggat 120
ggattgataa ctttaatgga ccaagtggtc tctttattgc ggtaagtaaa ccttttgatt 180
tatttaatat tctatacatt tttctgtttt ttgtatatct ttaaataat atacactatg 240
gcttatatat ctttaaggtgt tgtttttaat ttcaacaaag gcagggaaag gaattcttcg 300
aacaatacgt gcctccaaca atgcccttgc agatcttgtt cctgtagatg tagttgtcaa 360
catgagtctt gcggcagcct ggtattccgg agttaataga ccaagaaaca tcatgggtga 420
taattgtaca acaggcagca ctaatccttt ccactggggg gaagttgagt accatgtaat 480
ttccactttc aagaggaatc ctctcgaaca ggccctcaca cggcccaatg taaatctaac 540
ctccaatcat cttttatatac attactggat tgctgtaagc cataaagccc cagcatttct 600
gtatgatata tacctcagga tgactggaag aagcccaagg atgatgaaaa caataactcg 660
tcttcacaaa gctatgggtgt ttcttgaata ttccacaagt aattcttggg tttggaatac 720
tgagaatgtc aatatgttaa tgaatcaact aaaccctgaa gataaaaaga cttcaatat 780
tgatgtacgg cagttacatt gggcagaata tatagagaac tactgcttgg gaactaagaa 840
gtacgtattg aatgaagaaa tgtctggcct ccctgcagcc agaaaacatc tgaacaagtt 900

```


gcggaatata	cgttatggtt	ttaatactat	ccttgtgac	ctcatctggc	gcatttttat	960
tgcaagatca	caaatggcaa	gaaatatctg	gtactttgtg	gttagtctgt	gttacaagtt	1020
tttgtcatac	ttccgagcat	ccagcactat	gagatactga	agaccaagga	ttcagcatta	1080
gaacatctat	acatatgggtg	atctaaatgt	acaaaatgta	aaatgtataa	gtcatctcac	1140
tttttgtcaa	gacattaaac	catcttagat	cggagtgtga	agtaaattat	ggtatatttt	1200
atgtaacatt	ttaatgttta	tgctcataaa	acttagtgaa	cacactgtgt	tatgccagct	1260
caaactctaca	gtagccacca	aaacatgac	ttaatatttt	gagccctaga	agaaaggggt	1320
gtgctgagga	caagagtggg	gaaataggaa	cactgaccag	tataactgtg	caattctgga	1380
acatattaat	taaaataata	tgccttaaca	tatagtgaat	ttctaattct	aatgttcagt	1440
gcaatggaag	acattttatt	ggacagtaat	actagcaaag	ttggtagata	tttgattcct	1500
cattttttgt	ttttttcatt	agttgaagtg	ggttttagtt	ttgtttaaaa	ttataaccag	1560
cgtattttca	catcattctg	taagttaaatt	gatatcaaac	atgaaagaga	tgttctcatt	1620
tttttttttc	tgattaaacg	tctgatgcatt	atcatttttc	tataagtaatt	cagttgcttt	1680
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gtatcaaaaa	gaataggaatt	acagtttttct	tttccacatt	atgatcaaat	aaaaatcttg	1860
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ggaaggattc	accatacttg	tgttctcctc	cctttataaa	ttttattcat	aggactttta	1980
aaaggcttgt	gctatctttc	cagtgaatac	tgaaagtgca	ttattatgga	agaatgtatt	2040
tgcaagatga	attccttcaa	gaaaaataaa	ataatgctta	agataatgtg	tacgaaatta	2100
aataaaggac	tttattttaca	tactacataa	ggtagcaaac	tggtgaatga	gtttgaagggt	2160
atcacttatt	ttttatgcat	gtgatttttag	ctttagaaag	aaatgcgtta	tagaaacaag	2220
taatagcaag	aaaattgatg	tatattttaa	tgatacatta	aaattccctt	ttaatcataa	2280
tagttaactc	tacttactgt	tttaacatac	atttgattta	acaaattgtt	cagcataaca	2340
cttctaatta	agtttatcaa	gttgtactgt	attagataat	cagcagtgtg	tctggagtat	2400
gtttaaagag	aacagttcgc	aatacaaaaa	gttacattgga	gctttacatc	tttaactttct	2460
ttgtcaaat	aatgcaatg	gataaaaaag	ttattttgct	attgtgaaaa	actaattgta	2520
aaggaaatca	cctacttttca	tgcaaggtga	taactcttga	aaggaaaaat	gcttccatgt	2580
tgaagccaga	ttttctgtatg	taaaactttt	aaatatttat			2640
						2670

```
<210> 5307
<211> 2119
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(2021)
<223> similar to gi4868122 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5307						
tcaaacgaag	ggagcggagc	aaggaggaga	aggtgcctga	atgggaaccc	cccgaagcgc		60
ctgaaaagga	gagacaggag	gatgatgtcc	cagctggagc	tgctgagtgg	gggagagatg		120
ctgtgcggtg	gcttctaccc	tcggctgtcc	tgctgcctgc	ggagtgcacg	cccggggcta		180
gggcgcctgg	agaataagat	attttctgtt	accaacaaca	cagaatgtgg	gaagt tactg		240
gaggaaatca	aatgtgcact	ttgctctcca	catttctcaa	gcctgttcca	ctcacctgag		300
agagaagtct	tggaagaga	cctagtactt	cctctgctct	gcaaagacta	ttgcaaagaa		360
ttcttttaca	cttgccgagg	ccatattcca	qgtttccttc	aaacaactgc	ggaatgaagttt		420

tgcttttact	atgcaagaaa	agatggtggg	ttgtgctttc	cagatttttcc	aagaaaaaca	480
gtcagaggac	cagcatctaa	ctacttggac	cagatggaag	aatatgacaa	agtggaagag	540
atcagcagaa	agcacaaaca	caactgcttc	tgtattcagg	aggttgtgag	tgggctgcgg	600
cagcccgttg	gtgccctgca	tagtggggat	ggctcgcaac	gtctcttcat	tctggaaaaa	660
gaagggttatg	tgaagatact	tacccttgaa	ggagaaatth	tcaaggagcc	ttatttggac	720
attcacaac	ttgttcaaag	tggaaataaag	ggaggagatg	aaagaggact	gctaagcctc	780
gcattccatc	ccaattacaa	gaaaaatgga	aagttgtatg	tgtcctatac	caccaacca	840
gaacggtggg	ctatcgggcc	tcatgaccac	attcttaggg	ttgtggaata	cacagtatcc	900
agaaaaaatc	cacaccaagt	tgatttgaga	acagccagag	tctttcttga	agttgcagaa	960
ctccacagaa	agcatctggg	aggacaactg	ctctttggcc	ctgacggctt	tttgtacatc	1020
attcttgggtg	atgggatgat	tacactggat	gatatggaag	aaatggatgg	gttaagtgat	1080
ttcacaggct	cagtgtctacg	gctggatgtg	gacacagaca	tgtgcaacgt	gccttattcc	1140
ataccaagga	gcaaccaca	cttcaacagc	accaaccagc	ccccgaagt	gtttgctcat	1200
gggctccacg	atccaggcag	atgtgctgtg	gatagacatc	ccactgatat	aaacatcaat	1260
ttaacgatac	tgtgttcaga	ctccaatgga	aaaaacagat	catcagccag	aattctacag	1320
ataataaagg	ggaaagatta	tgaagtgag	ccatcacttt	tagaattcaa	gccattcagt	1380
aatggtcctt	tggttgggtg	atttgtatac	cggggctgcc	agtcagaaag	attgtatgga	1440
agctacgtgt	ttggagatcg	taatgggaat	ttcctaactc	tccagcaaag	tcctgtgaca	1500
aagcagtggc	aagaaaaacc	actctgtctc	ggcactagt	ggctctgtag	aggctacttt	1560
tccggtcaca	tcttgggatt	tggagaagat	gaactagggtg	aagtttacat	tttatcaagc	1620
agtaaaagta	tgaccagac	tcacaatgga	aaactctaca	aaattgtaga	tcccaaaaga	1680
cctttaatgc	ctgaggaatg	cagagccacg	gtacaacctg	cacagacact	gacttcagag	1740
tgctccaggc	tctgtcgaaa	cggctactgc	acccccacgg	gaaagtgtctg	ctgcagtcca	1800
ggctgggagg	gggacttctg	cagaactgca	aatgtgagc	cagcatgtcg	tcattggagg	1860
gtctgtgtta	gaccgaacaa	gtgcctctgt	aaaaaggat	atcttgggtcc	tcaatgtgaa	1920
caagtggaca	gaaacatccg	cagagtgacc	agggcaggta	ttcttgatca	gatcattgac	1980
atgacatctt	acttgcctga	tctaacaagt	tacattgtat	agtttctggg	actgtttgaa	2040
tattctattc	caatgggcat	ttatttttta	tcctgtcatt	aaaaaaaaa	gactgttatc	2100
ctgctacaca	aaaaaaaaa					2119

<210> 5308

<211> 1550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)...(1495)

<223> similar to gi3327146 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5308

gaattccgca	cgagctcccc	cagggcctcc	tcccttaggg	gcaatcatgc	cacctcctgg	60
tgctccaatg	ggcctagcac	tgaagaagaa	aagcattcct	cagcccacaa	atgccctgaa	120
atccttcaac	tgggtctaaac	tgcccgagaa	caaactggaa	ggaacagtat	ggaccgaaat	180
tgatgatata	aaagtcttca	aaattctaga	tcttgaagac	ctggaaagaa	ccttctctgc	240
ctatcaaaga	cagcagaaag	aagcagatgc	cattgatgac	actctgagtt	ccaaacttaa	300
agttaaagag	ctttcgggtga	ttgatgggtcg	gagagctcag	aattgcaaca	tccttctatc	360
gaggttgaaa	ttatccaatg	acgaaatcaa	acgggcaatt	ctaacaatgg	acgaacagga	420
agatctgccc	aaggacatgt	tggaaacagct	cttgaaatth	gttcctgaaa	aaagtgacat	480

tgacctattg	gaggaacata	aacatgaact	ggatcggatg	gccaaaggctg	ataggttcct	540
ttttgagatg	agccgaatta	atcactatca	gcaaagggtt	caatcgctgt	acttcaaaaa	600
gaagtttgca	gagcgtgtgg	cagaagtga	acctaaagt	gaagcaattc	gttctggctc	660
agaagagggtg	tttaggagtg	gtgccctcaa	gcagttgctg	gaggtgggtt	tggcatttgg	720
aaattatatg	aataaagggtc	aaagagggaa	tgcatatgga	ttcaagatat	ctagcctaaa	780
caaaattgct	gacacaaaat	ccagcatcga	caaaaacatt	acccttttgc	actatctcat	840
cactattgtg	gaaaataagt	accccagtg	tctcaatcta	aatgaagaat	tgcgagatat	900
tcctcaagct	gcgaaagtaa	acatgactga	gctggacaaa	gaaataagta	ccttgagaag	960
tggcttgaaa	gcagtagaga	cagagctgga	atatcagaag	tctcagcccc	cacagcccgg	1020
agataagttt	gtgtctgttg	tcagccagtt	catcacagta	gccagcttca	gcttctctga	1080
tggtgaagac	cttctagcag	aagctaaaga	cctgtttact	aaagcagtga	agcacttttg	1140
ggaagagggt	ggcaaaaatac	aaccagatga	gttctttggc	atTTTTgatc	aatttcttca	1200
agctgtgtca	gaagccaaac	aagaaaacga	aaatatgaga	aagaaaaagg	aggaagaaga	1260
acgtcgagct	cgatggaag	ctcagctcaa	agaacaacgt	gaaagggaac	gtaaaatgag	1320
aaaagctaaa	gagaatagtg	aagaaagcgg	agagtttgat	gaccttggtt	cagctttacg	1380
ctcaggagaa	gtgtttgaca	aagacctttc	taaattgaaa	cggaatcgca	aacgtattac	1440
caaccagatg	actgacagca	gcagagagag	accaatcaca	aaacttaatt	tctaattttc	1500
catgaatact	tttttttaga	aagctcatta	gcagccctct	aaagtgactg		1550

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<210> 5309
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(392)
<223> similar to gi4680392 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5309						
gtcctagcca	cgggtgtctc	cttctacatc	cgctctgctg	cgggtgcca	cccgcgctcc	60
ctccgcccgc	gccgccttgc	tgctgtctca	agctgtgtgc	gccccttggg	ctaaaagggt	120
ttcaaatgga	acattttgat	gcatcactta	gtacctattt	caaggcattg	ctaggccctc	180
gaggtatcag	cagctctgtc	ctcagaatgg	gtccccact	tcacacagtt	gtaggatggc	240
tacagcagct	ccaagcagca	cattcagagg	aagaagaaaa	aatgtttcat	ttgtgtgggt	300
ttaagcataa	agaagttggt	tcccagagct	ctttgccagc	tgtcatccct	caaaactcac	360
tggccacaat	tgcttcacat	gcacctgcct	gaaccagcca	ccagaggggg	ttaggaccac	420
cacagattga	ctagatccta	aggattctct	acctggggct	ggagttcggg	tcaggtgccc	480
gggaagcact	gtgcggtgtg	ggaggatgaa	tatgtgccaa	tttggaaaga	tgagtatttg	540
tgggaaaatg	aataaagcaa	agtgtaaatc	agagggttaa	gttaaaaaaa	aaa	593

```

<210> 5310
<211> 940
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (4)...(137)
 <223> similar to gi3242244 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5310
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 aggacagccc agccccccag gccaccagt cctgagccag ccacaccccg gggctctccag 120
 ctttctgcca acatgtaaaa cctttgagta catccagcct tagttcttgg ggtgcagtag 180
 tatgtaccca agggcagatg cctcttgggg aaggccatgg ggacctgaaa cattgcccc 240
 tggaaatgtc gaccctgtgc ggacattccg catactgcca tgaagacggg ctctgtgtcc 300
 tcagctcaag aatcctgtag cttgtcccat cataatccat tcacccgttc atcatgtgta 360
 ctgagcagct accatgttca aggtaatatg ccaggcgctg tatgtctcca ctgccaagta 420
 gaagtgactc aaaaccctct gacaaggata ttcccttggc tatggtcctg ccagggtgcag 480
 gcccaggccc atgacccac ctttactaag cacaagtact tgccactgcc atcactgcca 540
 agtaactaga tgtctctgtt tccctgcca tgatcctgca gggtctgccc ggtctggtta 600
 tcttcctgtt cctgtagcat agccaggcac tgccaatcac ctgtgcccc attgctgtca 660
 gcagatgtct tgggtcctga gtgtgggtat ccacttttac ccgctcactg ccacctgtgg 720
 acactctgtg tctaccctct gagtggggaa atacttctaa gatccctgca gtctctgtcc 780
 tgtggtagac catctttttg taaactggga gcttcctctt ccctgtaccc tctgccccag 840
 tcgtgacccc ctaaaagtta aggggtagtt ggcacctcct tattaatatg ccagcctaga 900
 tcccccccg tgagggggca aatggctgaa tccttgtgtg 940

<210> 5311
 <211> 902
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(903)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2)...(595)
 <223> similar to gi5031291 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5311
 ggagccctca ccacccccac cgcttggtg ctggggctgc tggcataagg ggcacgggga 60
 ggccatgccg ctgcacaggt atgggggtgg tgaggcgcc gtaggcgctg aggccgggga 120
 ggcgaccctc ggggggtggc gtgggggagg ctccgtggct tcacccacct ccagctccgg 180
 cagctcctcg aggggcactg agaggccgct cactcaag aggggctcca agccgtcggc 240
 gtccctcgcc tcgctggaga agcgcataaa gatggtgtcc cagagcttca cccagcgctt 300

tcggctgtct	cgggacagga	aagtggccaa	gtcgtctggc	gtcatcgtga	gcattctttg	360
gctctgctgg	gccccataca	cgctgctgat	gatcatccgg	gccgcctgcc	atggccactg	420
cgctccctgac	tactgggtacg	aaacctcctt	ctggctcctg	tgggccaact	cggtgtcaa	480
ccctgtcctc	taccctctgt	gccaccacag	cttccgccgg	gccttcacca	agctgctctg	540
ccccagaag	ctcaaaatcc	agccccacag	ctccctggag	caactgctgga	agtgagtggc	600
ccaccagagc	ctccctcagc	cacgcctctc	tcagcccagg	tctcctggaa	ttctggccct	660
gctgccccct	acccggctcg	ttccccccagg	ggtgagcccc	gccgtgtctg	tggccctctc	720
ttaatgccac	ggcagccacc	ctgccatgga	ggcgcccttc	tgggggttggc	cagagggccc	780
ttcactggct	ggactggagg	ctgggtggcc	ggccctgccc	cccacattct	ggctccaacg	840
ggagggacag	tctggaggtc	ccagacatgc	tgcccaaccn	ctgctggtgc	ccanctttgc	900
at						902

<210> 5312
 <211> 2604
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (2607)...(909)
 <223> similar to gi805095 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5312	
tttttttttt	ttactccaaa
gaggggttgg	ggcttataaa
aacaagagag	tgaaataaat
catcacacag	tgataatgcg
atacagggag	ttcaggggga
caagaaagcc	gtctctaccc
gtgttgggca	atccctggcc
cggaggggag	gggcagccag
tcccagcaca	gctcctgccc
gggagaacct	ggcaccttct
ggctgtgctg	ccctctggaa
gaaaccccg	ggccatcctc
cttggggaag	gcagccgttg
ctccatggca	aacagacaga
cagccccacc	tgcccggccc
ggcatcatal	gaagaccttg
tggggtggca	ggcaacagcg
cctgcacgca	cggtttgttg
acatcaggaa	tgccgctgtg
ccatggagt	caccggctta
ggcggtgat	ggtgagaggc
cgctgctgcc	ccgggactcc
cggtgtcgcc	agagcggaag
ctgaggtggg	gaccccgctg
tgctgctggg	gtcccagatg
aggtgggact	gaaggccagg
	ccccacacgg
	cgtccccgtg
	gcctccagg
	acgtggctca
	1560

tcataatccag	ttctcggttc	tttttattta	aggatccaa	gtgttctttt	tgtttttctt	1200
cataatgtcg	tttccctcgt	ttttggttat	ccacttcaga	atcagcaagg	tttaattcat	1260
ccttaagtgg	gtctgctagc	tccgatagtt	gattaatttt	gaatttaatt	gcatcatact	1320
tattttctgc	ttctattttc	agacttttaa	gatgctccat	attttctttt	tggtgctcca	1380
tatgttcctc	aacctttttc	attttgcttt	tattttcctg	agcttcatct	tccaaagttg	1440
caatatctac	agactgggtg	tcttctatgt	tctcaagttc	ccgaatttca	gaaatatatt	1500
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acttaggtct	tgtattttca	gatgaataat	aacgtcctgc	aaaaacttga	tcaccatcag	1740
cagtaaaagc	ttctctacaa	tttttgggtg	gcttttggga	ctgcattact	gcacgagcta	1800
cagaattatt	tttgattagt	agcactgtct	ctatgcctct	catgtcaatt	aggctatttg	1860
ccgcaaccgc	attatctatt	tctaaagctg	tcagaactgt	tggaaggtct	ggatgataag	1920
cagctctgtg	tcttacatca	tatatctcat	tccgacactc	agaaactatt	atcgggtggc	1980
gtgaggtcca	tggtaaataa	aaccttttca	tgagtgcctg	aaggaccctt	tcatcagcat	2040
gattatggca	acaataggcc	tgcaagagcc	cttttaagca	agattcaata	gcaaagcaa	2100
gttctgggtc	ccgaagatga	atgcaagctc	ctaaagggcc	tacaggttta	taggtaaaat	2160
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ctatggcttg	ctgaaactgt	tcgatctctt	gattgactga	attttcttga	ttttgaaagg	2400
cctttactct	ctcttttaac	caagatatatt	ttttttgtct	ttccaaccgt	tcaggttcca	2460
aagattgggtc	agtacttttt	ttcagctctt	caattcggtt	acaaagctgc	tcatcatctt	2520
tctttaatgc	tttatattcg	tttaaggatc	ggttatataa	aacctcagct	tatttatagg	2580
cccttttctt	agcaacaaca	tctgctttca	atgccataca	ttctgggtgct	cgtgcatttg	2640
tctcttcaat	aatcttttct	agtttgtctt	gaatatcctt	gtacttttgt	tctgcctcat	2700
taagtctgac	ctgctgttct	tccattttcc	tgtcaagtct	agcagcacga	tcttctccaa	2760
ttttgatatt	atctctgatg	gcattcaatt	gtttttcaat	ttcatt		2806

<210> 5314
 <211> 1725
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1726)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (5)...(224)
 <223> similar to gi5107000 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5314						
gacttcccgg	ttcgagggct	gcttggcctg	cgccacggcc	tacttcatct	tcctctgcat	60
ggagacccac	tatgagaagg	ttctcaagaa	gatttcccgc	tacatccagg	agcagaatga	120
gaagatcttt	gcacctcgag	gcctcctact	tacagaccct	gtggagcgtg	ggatgagggg	180
tattgagatc	tccatctacg	aggaccgggtg	cagcagtggc	agctccagca	gcggcagcag	240

cagcggcagt	ggcagcacga	gcggtggggg	tgggtggggc	ggggcccggt	gactggccga	300
gagtcctgt	agggaggtgt	atggccggag	tgagggcctt	gcagacctgc	ggcggctgcg	360
ctaccagagc	acccgcttct	gagtcattct	ttgggtcac	cctgctgcc	ggggtgggag	420
ggaggggtgac	gggcctcata	tttctgtgg	gccatcaacc	tatgccccct	gtccctcacc	480
cccgtctgga	tcagtccatt	tcctgacctg	ggggcttttc	cttcccgatg	gggctggtct	540
gggccacaca	gagacagatc	ttcctaggaa	ggctgggggtg	gggagaacac	aacctaggcg	600
gcccctctct	tccacagccc	ctctccaac	cctgcgaggg	gggccgaggc	ctaccacata	660
gaggactccc	acactgcatg	acccctcatc	ccaaacccat	atccaccagg	actctttccc	720
ttggggccctg	cgtcccgtgg	ctgtctccca	gtatctgttc	cttctcatgc	ccctgcaggg	780
ccccggcctg	tctatgatcc	tgcctccacc	aaattcaagg	tgtggggaga	cgggtgccgt	840
ggttgggagc	tgttcagcgc	actcctgacc	tcttctagac	ctatggcttt	cctgtcctgc	900
attcagagct	agaggccagc	tcggccttgc	gagaagcatc	caactttgag	actttgcagg	960
ctgccaggtg	ctggttgggg	ggcacagagc	ctggggctct	gggaggtaat	atgggggtct	1020
gggaaactcc	gtgaagagac	atagccatgc	ggggcctgaa	tctcctgaac	tacagccagt	1080
ttcctgagat	tagaacctgt	gtgtatgcac	atgtgaatgt	atgtgtgagt	gcacatgtgt	1140
gtaagtgcag	tgtgcgtaaa	tgtgtgagtc	tgcgtgtgtt	agcatgcctg	tatgtgagcg	1200
cgtgtgtgag	cgcattgtgtg	tgcaccagtg	cacaagtgt	tgaatgtgga	cacatttata	1260
agcacacctg	tgtgtgtctg	agtacatgtg	cacacacgtg	tgcacaaatg	tgcatttata	1320
tgagtgtgag	tgcattgcatg	tgcattgaaca	tgtgtgcaca	agcatgtgtg	tatgagtgtt	1380
catgtgtatg	agtgtgtgtg	tatgcaggtg	agtgcattgtg	tgtgtgagtg	tgtttgtgtg	1440
ttccccttgg	ctgccaggcc	aacgactgct	tctctgcata	ctgctgtctt	cgctacctga	1500
gggtctgtga	cttcttccct	gtgtgggtcc	agcctgacct	cctgtaagta	aatgtccaaa	1560
agccccttgc	ccctccccta	ggggctaccc	agggaaacata	ctcttactgg	cattatgttt	1620
ttagttggga	ggagggaaggc	cnggggtttt	taggggaaag	gaaggagncc	aaacttttgg	1680
ttgggccttt	tggtggcccc	ctnttcaggt	tccccatgaa	caagg		1725

```
<210> 5315
<211> 2185
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2075)
<223> similar to gi2822143 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5315						
atgtgtagct	caattctgaa	ggacattctg	cacctggctg	agcacgatgg	aacacaccct		60
gagcaagggc	tgtacacatg	tgcagcagag	catgacctgc	acaaaaagga	gcagattaga		120
gagaagctca	ccagaagtga	tgagtggagg	ccttcatttg	tgaaccacag	tgctcacgtg		180
ggagagagga	acttcacatg	cacgcagggt	ggcaaggatt	ttactgccag	ctcagacctt		240
ctccagcaac	aggtcttaaa	cagtgggtgg	aagctgtaca	gggatacca	ggatggggaa		300
gcctttcaag	gtgaacagaa	tgatttcaac	tccagccaag	gtgggaaaga	cttttgccac		360
caacatgggc	tgtttgagca	ccaaaaaacc	cataatgggg	agaggcctta	tgagttcagt		420
gaatgtgggg	aattgtttag	gtacaactcc	aaccttatta	aatatcagca	aaatcatgct		480
ggagaaaggc	cttatgaggg	cactgaatat	ggaaagacct	ttattagaaa	gtccaaccta		540
gttcagcacc	agaaaattca	cagtgaaggc	tttctttcaa	aaaggtctga	ccccattgaa		600
catcaggaga	ttctcagtag	accaaacctt	tatgaattga	ccaggtctgg	gaaggctttt		660
cttacacagg	ctcatctggg	tggtcaccag	aaaacccata	ctggagaaca	gccctatgaa		720

tgcaacaagt	gtgggaagtt	ttttatgtat	aactccaaac	tcatcagaca	tcagaaagtt	780
cacactgggg	agaggcggtta	cgagtgcagt	gaatgtggga	aattgtttat	ggacagcttc	840
acactcggtta	gacatcagag	agttcatact	ggagaaaggc	cttttgaatg	cagcatatgt	900
ggaaaattct	ttagtcaccg	ctccacactc	aatatgcacc	agagagttca	tgctggcaaa	960
aggctttata	agtgtagcga	atgtgggaaa	gccttttagcc	tcaaacataa	tgttgttcag	1020
catctgaaaa	ttcatactgg	agaacggcct	tatgagtgc	ctgaatgtga	gaaggccttt	1080
gttagaaaag	cccacctagt	tcagcaccag	aaaatccaca	ctgatgcatt	ttcaaaaagg	1140
tctgacctca	ttcaacacaa	gaggattgac	attaggccaa	ggccttatac	atgcagtga	1200
tgtgggaagg	ccttccttac	acaggctcat	ctggttggtc	accagaaaat	ccatactgga	1260
gaacggcctt	atgaatgcac	tcaatgtgcg	aaggcctttg	ttagaaagtc	ccacctagtt	1320
cagcatgaga	aaatccacac	tgatgcattt	tcaaaaagg	ctgacctcat	tcaacacaag	1380
aggattgacc	tcaggccaag	gccttatgtg	tgtagtgaat	gtgggaaggc	cttccttaca	1440
caggctcatc	tagatgggtca	ccagaaaatc	cagactggag	aacggcggtta	tgaatgcaat	1500
gaatgtggga	aattcttttt	ggacagctac	aaacttggtta	ttcatcagag	aattcacact	1560
ggagaaaagc	cttataaatg	cagcaaatgt	gggaaattct	ttagatatcg	ctgtacactg	1620
agtagacatc	agaaagttca	cactggagaa	agaccttatg	agtgtagtga	atgtgggaaa	1680
tttttttagag	atagctacaa	actcattatt	catcagagag	ttcatactgg	agaaaagcct	1740
tatgaatgca	gcaactgtgg	gaagtttctt	agataccgct	ctacattcat	taaacatcat	1800
aaagtttgca	ctggggagaa	gcctcatgag	tgtagtaaat	gtagggaatt	gtttaggact	1860
aaatcgagcc	ttattataca	tcagcagtct	cacactggag	aaagtccttt	taagttaagg	1920
gaatgtggga	aagacttcaa	caaagtgaat	actggtcagc	gccaaaaaac	tcacactgga	1980
gaaaggtctt	atgagtgtgg	tgaatccagc	aaagtgttta	aatacaactc	cagcctcatt	2040
aaacatcaga	taattcatac	tggaaaaagg	ccttagtgga	gtgaatgcag	gaaagtcacc	2100
aaaactgtca	cctcattcag	caccaaagg	ttcacatcgg	accaagaacc	tattaatata	2160
tgtaaatcta	atggtgaaag	agttc				2185

<210> 5316

<211> 1446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1222)...(265)

<223> similar to gi709961 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5316

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cagaatgctg	ggtagggtgct	ggtgggtgaaa	actgcagggc	taaaacttgc	tcaacaatga	180
actagggacc	actatggcct	aatgaacatg	gcccaccct	cctactaatg	gttttgtcaa	240
cttttgacc	ctagaaattc	agaattttct	ccttcttct	ctgccagctt	tggtcogtgt	300
ccgactacct	ggctggacag	taacttgctt	tttaaagtcc	actaagcaat	ctgtggcttc	360
tgaatggaa	acaaaagact	tgacgggaga	ttcatttaag	tcacgacgtg	tgaagaact	420
ctgcatctct	ctgctgcagc	ctgcctcttc	catccctgg	gaaggcacc	tgaaggctcc	480
tgtttctgaa	gacttgatgt	ctgcatctga	agtcttggtc	tcagactgtt	ccaagaaact	540
aaggagtccg	ccttcaactgt	ggcctttttc	ctttgggttc	ttcagcctct	gctgccactt	600
cccctccaca	gttgaacatg	ctcttcact	cccttcaggt	ccatctcctt	ggtcagcctt	660
tgcaagctgg	agacaggagt	ccacatgaca	ctgatactct	ctaaatggga	ccagggattt	720

acagaggtaa	cacttctcat	tcttgtcaat	gtctagagaa	gtctgggcag	ctgtcccact	780
gtcactcttg	gtcttggcct	ctttttgtct	ccgagtcaat	actgtatctt	cctccatcag	840
accattgcag	tacatggcat	gtcgttcaat	ctttgtgggt	ggaaagcatt	ggtcacatag	900
cgggcaggat	acctggttac	tggatgagaa	ggtagaaata	gctacttctt	tctcagcatc	960
ttccttggtta	ccaacctcct	tatctgccat	tattattctg	actccatcca	agatatctct	1020
gctacctgga	gagacttctc	tttcaagggtc	aaaagtttca	gaggaactta	gctgtgtctc	1080
aggacaaaca	gtgatttctt	ctgcagaact	ctctggcata	aggactaagc	ttctcttact	1140
ggtcaaagca	gcaacacttt	gtgaagcagg	tacagagttt	ccctcttcag	aagtttcttc	1200
aacaatccct	tgggaagact	gcaaagaaat	acgtagtata	ttaaataatac	aggcacagggt	1260
gaactggctt	ctcttccttt	tttaaaaaaa	tttaattgtt	caatgttctc	cctcaacaat	1320
taacaataag	aagaaaatat	tttccataag	ccagtaagtg	tcaataaaac	aagcacatcc	1380
tgtaaagtca	gaagactggg	attttaaata	gaactaaatc	ctcgtgcca	gcttggcgtg	1440
atcagt						1446

<210> 5317
 <211> 2681
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (475)...(1170)
 <223> similar to gil769491 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5317						
ctctgtggaa	tccggcgtaa	tgtttctgca	cgcctaccog	ctcattcagg	aagccagcct	60
cgccattagg	gagtcttttc	tcacctgac	caagttttcc	cactggcttc	ttcattgtat	120
ggcattcaga	ttgcagatca	tcagttgaga	caagccacca	agattgcttc	agcacctgaa	180
aaactcgggc	gagatccacg	gccacagacc	tccaggataa	gccaggagca	ggtccctgag	240
gcctcacagc	tctcccagct	gacttcaaat	ctggcccagg	tgaatcggac	aaatatgact	300
ccctcagacc	ccctgcagac	ctcgtgtgtc	ccagaacttg	tttccactcc	tgttccctcc	360
cctcctcccg	gggaggagac	caatctggaa	gcattcttct	ccgatgagca	gcctgcgtcc	420
ctcacaatat	cccacgtcaa	gccaaagcatc	atgaagagga	atgggagctt	tccaaagtac	480
tatgcctgcc	acctgtgtgg	acggcgcttc	actctccgga	gcagcttacg	tgaacacctc	540
cagatccaca	caggagtacc	tttcacatct	agccaacagg	gagaaagtgc	cgtccccctg	600
actctctgta	gcaatgcagc	tgacctcggg	aaagatgcca	tggaagtgcc	tgaagccggg	660
atgataagtg	acagtgaagt	gcagcacatc	tctgattctc	ccatcatcga	tgggcagcag	720
cagtcggaaa	ccccaccccc	ctcagacatt	gctgacattg	acaacctgga	gcaggccgac	780
caggagaggg	aggtgaagag	gcggaagtac	gagtgcacaa	tatgtggacg	caaatttatc	840
cagaaaagcc	actggaggga	acacatgtac	atacacaccg	ggaagccttt	caagtgcagc	900
acttgtgaca	aaagcttttg	cagggccaac	caggctgccc	gccacgtgtg	cctcaaccag	960
agcatcgaca	cttacaccat	ggtggacaaa	cagactctgg	aactctgcac	atttgaagaa	1020
gggagtcaga	tggacaacat	gctggtgcaa	acaaacaaac	cctacaaatg	caacttgtgt	1080
gacaaaacat	tctccactcc	caatgagggt	gttaaacatt	catgccaaaa	ccagaactcg	1140
gatgtttttg	ccctagacga	agggcgatcc	atttctctgg	gcagtgggga	ctcggaagta	1200
acggagcctg	accacccagt	gttagcttcc	atcaaaaagg	aacaagaaac	cgtcttacta	1260
gactgaatgt	cacttatctt	tttaaaaaac	tctcattttt	acaaagacta	tcttccctcc	1320
cttccctgaa	ttcagaactg	tagttctcca	tggcatgata	caaacaggtc	cttgttctct	1380
tctcctcttc	ccctttttcca	catcccagcc	ccacctctgt	aaaggctttg	tgcattataa	1440

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acctggaatg tatcgacttt ctttcagggg atattggaaa gataatggtc attatactta 1500
taaactcaaa ttttgagagg ttttagatta ttcagaagca tacttggaac taatgaaggg 1560
tatataataa aacaactgga atccaatttg gtaagctaaa attatgactt tccctgggta 1620
aaaagtcctt tcagaaaaac aatgtcagaa aataacagcg tgctgcttag aaatacggct 1680
gggctctgta ctatgcaaaa tctagaaaagt gtggggaaac tttaaaccce agaaaacggt 1740
cttagtattc atcctccagg tgtcttactt cagaatgcat cctttgagat tatgtccact 1800
taagagaaat catcagttaa gaaatctact ttaacaaaac aaaaaggaga aaaagtaata 1860
atgtgatggc aatccttaatt tttgggtaca acatgacaag ctgtgagttt gtgtgtttgt 1920
aagagaaaaa tgtgtgggta cttgctaata aacagggtgaa ttaatgcaca tccttatctc 1980
attgctggct tctttccaag ttgagcaaca acaaaatgct gtatttgagt ttctgacaaa 2040
tttgttttaa aaatcaaatt tgaatgtact attctataaa ttgcctttct gaatagaaca 2100
tgacatgcca ttttctagca gctgccagtg ataatttggt ttacactaac ttttaaataca 2160
gtgtgtgtac tgcaggggaa aggatatagg aatactcatc ttacagggga atttgtgacc 2220
agaagatgta gtaacttcaa tgactgaaag tcaatgctga tagtttactg gcaacattaa 2280
ttgaagcatc aaaaataaat ggcaaaagaga aatcaggaca aaaaatctaa ttgctgtttg 2340
ggaaaaaaact tgattttgat gtttattctc cagggtttttg gttgtttttt tttctttctt 2400
ctttcttaat gcctgaaaatt ttctccattg gcccgaaaagc agtaaaaatt gttcattaat 2460
cttccgttag gccataaaaa gaagggcctc acaagacaaa acaggagcca gaagtaagga 2520
ctgaaggaga aggggagaaat agctaatagc tatagtatat gtatatgtta aaaactgaat 2580
atcccatcat cctatttcat gtatagttga gttctcaaat ttgtaagttt ttatacatcc 2640
tttcattgaa taaacgttta attaaatgac taaaaaaaaa a 2681

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<210> 5318
<211> 1044
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (973)...(379)
<223> similar to gi2760121 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 5318
ttttttcaat attacaacaa tctttatttg aaaaccccaa gtattttgtc ttgaaaaatc 60
agcaatccag gtattaaaaa tagcatggaa tgcccaattt tactttgata attacatggc 120
agtcagtttc cgctcctggc taaagccttg gattttcttc tgggcagttc cttaaaggcac 180
aggtggcatg gaagaaatca ttccattttc gtctcctccc cttatttgat tggggtgtct 240
ggttaccaaa aagagtcacg aggcctttgg attaccttct tgaactgac ttctagatcg 300
caagtcaaga ctgccatcat gttcccccac atgcaaaaag ccttggttgc ccacctctct 360
cctttccaga acaagtgagc tgggggtttg ctcttctcc atatcctgca gcttgatcaa 420
tttttctatc aggaacattt tatctttgcc ctcattaatg atctgctcat ggagcagcct 480
tatcataatc ttccttccct ctgtgatctg ccagtaaaga taggtgatga ttagcacaat 540
gagggtgagg atgaaaaaga agtgacacac tccaatgagg ttccgataga tccaaacaac 600
ccacaggtag ccaggccgtg tacttagggg gtcgatccag ctgtagatgg agtgaatgaa 660
gagaggcaga cctcgaaaag ggccacagtc agctgaaggc ttcaatctcc agatgggtgat 720
ggccagggtg cacaagaccc cgggtgaagga tgggaaaaag agcaagaaga tgaagaaagt 780
catcatctgt gaggcccgcc aggcctttgct cggaggctgg aaattcatca tcaggctgat 840
atttttggag tagaccatga tgaaaagcat aatcatttgg ataaagggca gcagggggca 900
aaagaatatg ccaatccacc ccagagtttg tgcatagatc agttgtagaa cgttcctggc 960

```

aatgtcaaac tcctgaaggc caagacttgt gatcagttgc atcccaatga ttataatcag 1020
 caaaagcgtc gggccacgcg tccg 1044

<210> 5319
 <211> 1480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> similar to gi303694 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5319
 cagagaagca agttcgagaa cgaggagttt tttaggaagc tgagccgcga gtgtgagatt 60
 aagtacacgg gcttcaggga ccggcccccac gaggaacgcc aggcacgctt ccagaacgcc 120
 tgccgcgacg gccgctcgga aatcgctttt gtggccacag gaaccaatct gtctctccag 180
 ttttttccgg ccagctggca gggagaacag cgacaaacac ctagccgaga gtatgtcgac 240
 ttagaaagag aagcaggcaa ggtatatttg aaggctccca tgattctgaa tggagtctgt 300
 gttatctgga aaggctggat tgatctccaa agactggatg gtatgggctg tctggagttt 360
 gatgaggagc gagcccagca ggaggatgca ttagcacaac aggcctttga agaggctcgg 420
 agaaggacac gcgaatttga agatagagac aggtctcatc gggaggaaat ggaggcaaga 480
 agacaacaag accctagtcc tggttccaat ttaggtggtg gtgatgacct caaacttcgt 540
 taattaatag cacagcagat gtgtgctgcc catctttaca tacacattgc ttctagttgg 600
 cagaaataat tgattaaaag accagaaact gtgataactg gaggtactac ggtctatttc 660
 tcaaccttag gcagtaatag acatcacaaa ctgccatggt tttgcactat gattataata 720
 cctgcatttc taatttttta agcatgtagc cagtaataat ttgaagtttt ttttctatgc 780
 aagcttacct tgttggcatt attttaggga gttgaaacta tcaactgtaa agctcctttt 840
 cttccacttt aattttaaag ttcatgtcat ttaaaaacaa gtcaagaaat taaaattgta 900
 tcagagggtt ttctctaata attttttcta tttttttttt tgtacttcta aatgtttggg 960
 ttatacagct tcattttaga tgaccattct ttttttttgg tttgtttgcc ccatttcctt 1020
 ttgtgttttt atagtctata gcatttttaa actgctgatg ttgtttgcat tatttacagg 1080
 ctaaaaactt agtagcatag agctgtctgc cacagccttc tgacaaagtt tacagttatt 1140
 aaagttgcag tatcctttta aatgctagta atcagcactc tttctttttt ttttttttaa 1200
 aaaaaacggg gcctccaagg gtgccccggg ggggccc aaa ccccggggaa aaaaggaacc 1260
 ccccgctta acccccacaa ggaccgggaa taacggcctt ttttttttaa aaaaaaagg 1320
 taaaagggg gataaacccc ggcccccgcc ccaaaagggt taaacctcgg gtccggaaac 1380
 aaggagtggg gggggaaaaa tcccccaaaa agaacctcta ccggaaggcc caaaaaaagc 1440
 cccgggcggc ttttggttta atccgggggt tttttaaaaa 1480

<210> 5320
 <211> 956
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (937)...(614)
 <223> similar to gil710282 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5320
 tttttttttt ttgagaaaca agcattttgtg tttattaacc aaggagaggg aagtcaaagc 60
 aatgcagact cctaaccagt ccttcctata gtctgcccac ctaggccagc tgccaaggac 120
 taggaagagc agtggatagg cccctcccca ctgccccgac ccagggtga gttctgctgg 180
 gtaaggaaga ggaagtcagc aaaggacaga ggccaaggaa agaaggagga aacagagccg 240
 ctggggagagc aggattgagg agatcccttg gccctcact cacagtgggg agggcaaagc 300
 accgcaaagc cagccccaca agaggaaacta agcaggagta cactcatgtc aaaaaccttg 360
 tattggggga ggggaggagg gggttctcag gtgtccaaag ccaagaacaa aacccttgga 420
 gagtcagtcc ttgcccaga atgctggtcc agcctctaag cctttgcctc cataccaagt 480
 tcacaacagg gtggagcctc tgacacggcc gtctagagaa tggatgcaag agagggtccag 540
 ggaccacttg cctctgtaag atccgtcctg tggcgaattc caggcccagt ggcgccctagc 600
 cttcagctgc tgggctctcc cgagcctgcc ttagccata caaccacttg atcacgcggg 660
 cattgcgctc caccaccgac acgccatagg gaacgcgctc ccggggccgc tcctcaacag 720
 tcaccgagct gcggcgggag cagccccctt cagagctgcc cggcccagca ctgggcccctg 780
 ccaggggacac gatatccgag ctggcccctg ccagggtgggc cacacccaac cctctcgct 840
 cctccgggtc caggccgagc aagttaaaaa agcgtcagc atcagcggct gccctagaaa 900
 agcgtcgtc caagtccgac ttggagcggtt ggaattccac cacactggaa tgggtga 956

<210> 5321
 <211> 777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(778)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (92)...(557)
 <223> similar to gil799568 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5321
 gtgtggtgca attccctata gtgagcggga tgagctgacc gaggatgggg aaggcagcat 60
 ccgcagctct gaggaggggc ctggtgacag tgcatctcca gtattcacag cccagcaga 120
 gagtgaaggg ccaggaccag aggagaagag tcctggacag cagctcccca aagccaccct 180
 gcggaaggat gtggggccca tgtactccta cgttgcactc tacaagtttc tgccccagga 240
 gaacaatgat ctggctctgc agcctggaga tcggatcatg ctggtggatg actctaacga 300
 ggactggtgg aagggaaga tcggcgaccg ggttggtctt tcccagcta attttgtgca 360

acgggtgagg	ccaggcgaga	atgtttggcg	ctgctgcaa	cccttctccg	ggaacaagga	420
acagggttac	atgagcctca	aggagaacca	gatctgcgtg	ggcgtgggca	gaagcaagga	480
tgctgacggc	ttcatccgcg	tcagcagtgg	caagaagcgg	ggcctggtgc	cagtcgacgc	540
cctgactgag	atctgagagg	agccaaggga	acccagatga	cacccttgcc	catgcctgga	600
ccttgcttct	ggccagggag	gggatcaggc	ccccttgctc	actccatacc	cttcctccct	660
ctgtccctct	cctaggtgcc	acttaccgtg	gcttaggagc	cttttgtact	ggggaagatt	720
ttattttctt	ggtgggggtgc	cctgagtggt	ttgatcctct	gggacttggc	gnggatg	777

<210> 5322
 <211> 1980
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1778)...(935)
 <223> similar to gi3043548 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5322	
tttttttttt	tgagacagag
ctcacctcac	tgcaacctct
agtagctggg	attacaggca
acagggtttc	tccatattgg
cgctcagcc	tcccaaagtg
tttcaaagac	cagataat
cactatttta	tatgtaacat
aagtttacat	ttttcattga
ttttgaaagc	agtatgggtca
gctactaaaa	gaacaagact
gtctcagatg	agtaactgca
aggttactgc	cacttcatgt
aaataaatgg	tttcagtaca
atctgagaac	cacggcaagt
aatttagcag	ctggggagaat
tgcatctactc	tttgaaaaaa
tccttcacct	ctgcatcatg
ccatgtaaca	ggaaaaaaca
tctattttga	ggcagtttct
tttgctacgt	ggctgtcata
ccttctgtca	tggtctggatt
gtgtttccat	ttccagtaag
tgctgggtgg	cattgggtaac
gcagagttca	gaggaccaga
ttgatttgat	tttcaacatt
atactctggg	tggaatgggt
ataatagctt	ggttaactga
ataattacag	gacccctcgt
tttagaacat	catcatatga
ccgagctcgc	ggtcgccccg
ttttgctctt	gttgcccagg
gtcctcccgg	ttcaagcaat
tgccaccaca	tgcccagcta
tctcaaactc	ccgatctcag
aggcaagagc	caccgcgccc
ctgtctaaag	atggacattg
gggtgagtgcc	taggaaacat
ccaaaataga	ttctactgat
tgaatggcct	caagagctta
gaaacaatga	tttagtcaaa
aaaggtagaa	gggtagctta
acaagcattt	gcaaatagca
ttcacttggc	atcaaaatag
taaagacaaa	aatgtgatat
ggaagacaga	aaatacattt
gtattattgt	tacaaccttt
ttttctgggc	acattcttct
gtgcaacagc	taaattggcct
gtactcgaag	agaatctcc
ccacttgggc	acggagaagt
gtttcaaaac	ttgcaccttc
taatgtaact	gtgaagcatg
tcagtccagc	cagctgcaca
gactgatgta	tatctttatc
catttaaagc	tttctcttta
gaataccacc	caattcacga
aagtaatcaa	agctctttca
gtttctgaag	ttgttcagca
cggacttcga	agagcgtatc
tgtaaatagca	gtagcaggcg

```

cccgcgccga gcagcaggcc cgccgccacc cagcccgcgc cccggggggcc acccatgctg 1860
ccgcccgcgc agagccgcag cgccgggcca gggcaggagg ctgcgggggg ccagcgcgga 1920
ggtctccagc gcacgcgggc ctagccgcca cagcaaacgc cacctgacct ggctcgtgcc 1980

```

```

<210> 5323
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (289)...(600)
<223> similar to gi2995577 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5323
tctcgctgcc tcacttgagc aagcatgagc ccggagctct ccatgaacgg ccaggctgct 60
ggctatgagc tctgcggtgt gctgagccgg ccttcgtcga agcagaacac gccccagtac 120
ctggcctcac ccctggacca ggaggtggtg ccctgtaccc ctagccacct cggccggccg 180
cgcctggaga agctgtctgg cctagccgca cccgactaca ctaggctgtc cccggccaag 240
attgtgctga ggcggcacct gagccaggac cacacggtgc ccggcaggcc ggctgccagt 300
gagctgcatt cgagagctga gcacaccaag gagaacggcc ttccctacca gagccccagc 360
gtgcctggca gcatgaagct gagccctcag gaccgcgggc ccctgtcccc tggggccttg 420
cagcttgctg gagagaagag cagtgagaag ggcctgagag agcgcgccta cggcagcagc 480
ggggagctca tcaccagcct gcccatcagc atcccgtca gcaccgtgca gccaacaag 540
ctcccgttca gcattccccct ggccagcgtg gtgcttgcca gccgcgccga gagggcgagg 600
agcaccacca gtcccgtgct

```

```

<210> 5324
<211> 1000
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(677)
<223> similar to gi2662587 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5324
attgccaaca tgtttctagg aattatcatt ttgaagaaaa gatacagtat attcaaatat 60
acctccattg ccctggtgtc tgtggggata tttatttgca cttttatgtc agcaaagcag 120
gtgacttccc agtcagctt gagtgagaat gatggattcc aggcatttgt gtggtggtta 180

```

ctaggtattg	gggcattgac	ttttgctctt	ctgatgtcag	caaggatggg	gatattccaa	240
gagactctct	acaaacgatt	tgggaaacac	tccaaggagg	ctttgtttta	taatcacgcc	300
cttcacttct	cgggtttcgt	cttcttggct	tctgatattt	atgaccatgc	agttctattc	360
aataagtctg	agttatatga	aattcccgtc	atcggagtga	ccctgcccac	catgtgggtc	420
tacctcctca	tgaacatcat	cactcagtac	gtgtgcatcc	ggggtgtgtt	tatcctcacc	480
acagaatgcg	cctccctcac	cgtcacgctc	gtcgtgaccc	tacgcaaatt	tgtgagcctc	540
atctttttcca	tcttgtactt	ccagaacccc	ttcaccctgt	ggcactggct	gggcaccttg	600
tttgtcttca	ttgggacctt	aatgtacaca	gaggtgtgga	acaacctagg	gaccacaaaa	660
agtgagcctc	agaaggacag	caagaagaac	tgaggcctgt	ctggagtacg	tagaccagtg	720
tcgtcgtgag	ggtgggaccc	tgtgaaggct	tgaccaccgt	ttcgcttttg	ttaatgccga	780
gctacccgca	gtgctgagcc	agccgtgcaa	aaggaaatct	tcaggagggg	acttctcacg	840
ttgctcagac	tgacacatgt	agactaaata	gaaacccttc	agccctaaaa	tagaaaaaag	900
aacagttctg	gactattgaa	cagccatttc	atttatttct	gttttgttta	ccgacatatt	960
cagtattatt	cttgttttct	gaattctgag	tctcttgaac			1000

```

<210> 5325
<211> 1663
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1645)...(750)
<223> similar to gi484102 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5325						
tttaagaact	aatcaaactct	ctttaatgtt	taagcctatt	tgtatctgat	attttgttac	60
ttgcagccaa	aagcagccta	gctgatacac	aatcgtcccc	ctgccccctg	gtcaccctta	120
cagctcagag	atgaactcta	gagaaatgca	aagccccagt	tgggagccag	ccggagactc	180
tccttggtct	ttagcttggg	aaaataggac	ttgtgggggt	gggggcagca	tcagatggat	240
cacagactcc	aagcaaaggc	atgataggag	tttattttaca	gacaagacac	agcaaccagc	300
acccactcag	gctctgacca	ggggaggtgg	tagacaagac	cccagatata	tataaatata	360
catatagggtc	ccagcaccat	cagcaccaga	acgttccccca	gccagggtccc	tgccagaagg	420
accaagagtc	aggcaggatt	gaggacatag	aaaggagagg	gccccagtc	ttgccaggta	480
tcagtgatca	cctgttatgg	tccccatgtc	agaggaagaa	actatccttg	gccttgaagt	540
gtggacactg	aggagcatga	ggacggagag	accctctgga	ggcgccccca	ttcctgtgtc	600
cagcctgtgc	cctcaatgcc	aaggccacag	aagcgaagtg	ccagcaggag	cagcttgggg	660
aatggagaca	ctgcaggccc	ctccaggacc	atccaggagc	caggcatgga	ggtgggggtcc	720
taggccatgg	ctgccccatca	cacaggagcc	tcccccagtt	tgctgggtggc	acttgtgact	780
cgcttattct	cccggagggt	tcggaggcgg	gcgctgaggc	tgctgatctc	ttccacatag	840
gcctggggca	cccacccctt	ctcaccatct	gccaggcgga	ccccttcag	ccagccgtca	900
ctgggtccagg	tcctcactga	caggatgtca	gtcttctcca	aggtcagctc	atctgggtgc	960
agtgccttgt	atgtcctaac	acactgaacc	tgggggcaat	cttccccctc	actgatgacc	1020
tccttgtcct	cctggggggt	ggaggggcac	aaggctgaga	tccatcgctg	cttctcactt	1080
tccgtccggg	cccgcagcag	gaactggtgc	ttcatgtgct	gcccgtggag	gagctggagg	1140
aggaacacgt	ggccggggat	gccctgcagc	ttcaggctca	ggtcccgcac	ctgcagctca	1200
gccatcttgg	catggacgaa	aacggcaaac	ttccctagct	ccttccgccc	agagagcagc	1260
aagcagtcag	tgaagaggtg	gaggtagact	gccttgctgg	acagcttcag	cttggcaggg	1320
ggtgctgcag	gcagtgggtgc	cagctctacc	aactctccat	gccgaaccag	ccagcgggcc	1380

tgagagatca	gcggggaaaat	cttgcctca	aagtggatct	tcttgctcag	gtggatgagt	1440
tcctctgtcc	tcttcatgga	ctgtacacta	gcattgcact	cctgcaccag	ctccttgagc	1500
gcattgaagg	ccttggtggc	catgtcttcg	tcttcagagc	cctgtgctgt	ccgcttcagg	1560
atgttctcca	ccaacatctt	gaggcggtg	atcctctgga	agggcaggat	aaggaaggag	1620
gtaaggggca	gacgctggca	cgaattccac	cgactgtgc	taa		1663

<210> 5326

<211> 3455

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3456)...(1981)

<223> similar to gi436222 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5326

tttttttttt	ttgaagcact	gttttaaaac	aacttctcaa	atttatttaa	ctcatgtggt	60
taacatggta	ttgtataaaa	agaaaaaaa	aacaccactc	aatacttact	aagccttgca	120
gacagctcag	agttgaggca	gcatattggg	catagagatc	ataggatttg	tattatccct	180
tgcaagatgg	aactccaacc	aacaccagaa	ttttccaatt	caaattcagt	tttagtcgag	240
acccagcat	aatTTTTtaga	aaaaagattg	gattgttgct	tttcttttaa	ttttccattc	300
ctatttagac	aaatgaccag	aggcaatgac	aaaagtaact	gtttaaaagg	gatttctctc	360
cagaagtttt	ttctaaagg	ttaagtccag	gctttccatc	cttctctcca	tcctttttca	420
ttttaaaaag	aagggttttg	gaatatgtca	acctttactc	agcttgctat	acaaagccac	480
tgttttagtc	ctagacataa	tgccaggact	catctcccaa	acttctggtc	ttaatcaagt	540
tcatgcttgg	ttgctaaaga	agctcatggt	aatcccaaag	tcagcacaat	cccaacctta	600
aaaagcagac	agctgattgc	atcacttacg	acatacacca	tcttgaggca	aaagaagcca	660
gtcagacacc	ccttgtttgc	tacgtgtgag	acacatcagc	agttgagcct	gaccccttcc	720
gcagagctca	ctgtgcaaaa	tcaccagcac	accactgcaa	tccactgagc	tcaccgctg	780
tccagccata	atggaagtca	cttgaagggt	atcattgtaa	tagatgattt	tccataagta	840
actaataaaa	atgttttctt	tgatgtttag	acctactaac	aattcagtct	ctccctctcc	900
atcctctctt	agggagcctg	tacttttaag	caaataggga	agctaaaaat	acaaaggagc	960
aacatccatt	tataaataaa	tgtgtgcctt	atcttcctca	ctaacttcct	ggaaaagtgc	1020
tgtttttgaa	tattctgttt	tcttaaggag	aaatTTTTtg	taaattgtagc	acactgtata	1080
taggaaggga	tttctctttt	tagtctttat	ctcattgtac	gggtttcact	ctctaggtat	1140
tgagagtggg	ggaggagggg	atcaacaaac	cgcaaagagc	agcataaagc	acaccccgta	1200
tcagcagcac	ggcagctcct	ccaatatcgt	caatgctgac	tcgaggtaat	ttctggtgga	1260
gttgaacaca	tcattaaatt	tctattttgtg	ttctgcctga	ggcttttccc	taaccactaa	1320
ttgcaagtga	aggtcccgag	gagctttttag	gaaaggaaca	gaacacaagc	cacgtcctgg	1380
tctgtagcca	ggtgtccgtg	tactgcataa	tggaggaaga	ggattacagg	gagattttca	1440
cttcagcctt	tagtccaacc	aaaacttaaa	agacttacag	agaacagcct	caggagggtta	1500
ggggacagaa	gtgtggtact	gcaggaagac	aagaggggta	aacgtatcca	gcagaatgta	1560
aggataagaa	acaccacat	gaattcttag	aatacagagg	aacaagaagg	aataattcct	1620
gtgccatatg	cggaccaggg	catagggtga	gtggagcaca	gtgggttagc	cactaaatgg	1680
cttcagtgag	aattctgaaa	actgttccag	tataattttg	gagtaaattcc	ttctcctgga	1740
caggtcaaag	actgtgcttt	ttaaatgtca	ttagaaggta	acagcttttt	gcctcctgct	1800
tccagatgat	ttccttttgg	ttaaaaacca	gaaatagtat	aaacctcaca	ggatgaaaga	1860
acagtctttt	gatacagggtg	aggtggagat	ctagatgaac	ttacatagta	agtgaggagt	1920

09493733E 043100

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acatttcttg gtcttctccc ttgaccactc caagtctctg atctaccaga gatggcagtt 1980
tatttctctt ggaagaagcc agtaatggac acctgtctgt tggctttgcc cagagcagca 2040
gtccctttct tggggccctt tcgttctctt ctgggttctt ttttcacagt catggcaggg 2100
ggctctgtgta ctgaggatgt ctcatgttta agctcctctt cactatctgt gcaggattca 2160
ctctcgtaga ctttttcagt cactatgcag ccttcccat ccaggtaagt tttagatttt 2220
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ggctcagtc tttggcactgg ttcaagagggt ggagacggag gaggaggtgg ggatggtgac 2340
tcagcttcat aagccccagg agagtctgga aagacttcat cttcactgct atcagattca 2400
ggaagtttga ttcttctcct ctttttctc atgttttcag tttcctttgt ctcacatca 2460
gataatgcta ctgccttccc ctttttttt tccttctgca gcaccttaac aggtctgct 2520
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gtaggctgct ccactatttt ttcttctttc actgcttgtt ctgagtcca attgacttta 2640
aatttattca tagcagcttt tccaaaaaag ttgctcatca tattcccttt cctgggtgcc 2700
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gtttcttggg ttttagcagc agctttggag gcaaaccatt ccataattcc tttgggctgc 2820
tgggaaacct gcttgatgc aggtgggcca tgaccattgg tggtcagctc attgttggt 2880
tgtgtctcac ttgacatgtg aagatgtgac tgctcaact ttttggaga cgaagaggat 2940
tcagcaggag ctctggggac ggcagctgca cattgtatag cactaaattt gctgcagttc 3000
tgcaagttgc ttttaaggat gtcatagtca gtattgaaca gaggccact gtccttttagc 3060
atggctttct ggatgctgta cacatggatg ctggcagtc cagctagctt ggacttact 3120
gcttccaatt tatcttctct cactactgca acctgtggc aggaatgtcc attctgaatg 3180
agactgccag acaccaagta ggtaacatgc agttgggctc ctgaattttc ttttcgtttc 3240
ctttcaacat aatcatacag catctgtttg gcctgggtta catgaacccc tagtgtatag 3300
ctcagccatt tgtatgtcac gatcttgttt tgggtccgtg cgaactcgtc tatattttcc 3360
agataaagct ggtccgccat ggtgcggcag cgctgggacc cgcctctaac ccctctctca 3420
atcacagcca cagctcccgc cggcgggaaa cgtct 3455

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<210> 5327

<211> 2102

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (26)...(1969)

<223> similar to gi4322263 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5327

```

accgggtcg acgatttctg ctgcgccac cccactggtg actgccgggc cccttgtgac 60
cccaactcca gcagggacc tcgacccgc tgagaaacaa gaaacaggct gtctctctt 120
gggtctggag tccctgcgag tttagatag ccggcttgag gcatccagca gccagctct 180
tggctttgga ccacaccgag gacggctcaa cattcagtc ggcctggagg acggcgatct 240
atatgatgga gcctggtgtg ctgaggagca ggacgccgat ccatggtttc aggtggacgc 300
tgggcacccc accgcttct cgggtgttat cacacagggc aggaactctg tctggaggta 360
tgactgggtc acatcataca aggtccagtt cagcaatgac agtcggacct ggtggggaag 420
taggaaccac agcagtggga tggacgcagt atttctgcc aattcagacc cagaaactcc 480
agtgtgaac ctctgccgg agccccagg ggcgcgttc attcgctgc tgcgccagac 540
ctggctccag ggaggcgcgc cttgcctccg ggcagagatc ctggcctgcc cagtctcaga 600
cccaatgac ctattccttg aggccctgc gtcgggatcc tctgaccctc tagactttca 660

```

```

gcatcacaat tacaaggcca tgaggaagct gatgaagcag gtacaagagc aatgccccaa 720
catcacccgc atctacagca ttgggaagag ctaccagggc ctgaagctgt atgtgatgga 780
aatgtcggac aagcctgggg agcatgagct gggggagcct gaggtgcgct acgtggctgg 840
catgcatggg aacgaggccc tggggcggga gttgcttctg ctctctgatgc agttcctgtg 900
ccatgagttc ctgcgaggga acccacgggt gacccggctg ctctctgaga tgcgcattca 960
cctgctgccc tccatgaacc ctgatggcta tgagatcgcc taccaccggg gttcagagct 1020
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tgacctcaac acaccactgt gggaagcaca ggacgatggg aaggtgcccc acatcgctcc 1140
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cgggggtgag ctgctgggtg cctacccatt cgacatgact cgcaccccggt gggctgcccc 1320
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tgctgacgct gtcattgccg ttgatgggat taaccatgac gtgaccacgg cgtggggcgg 1740
ggattattgg cgtctgctga cccaggggga ctacatggtg actgccagtg ccgaggggcta 1800
ccattcagtg acacggaact gtcgggtcac ctttgaagag ggccccctcc cctgcaattt 1860
cgtgctcacc aagactccca aacagaggct gcgcgagctg ctggcagctg gggccaaggt 1920
gcccccgac cttcgaggc gctggagcg gctaagggga cagaaggatt gatacctgcg 1980
gtttaagagc cctagggcag gctggacctg tcaagacggg aaggggaaga gtagagaggg 2040
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aa 2102

```

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<210> 5328
<211> 2168
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1487)
<223> similar to gi3366802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5328
gaattctcca ccacaacaaa cagcccactc ccatggccta cctggacaag ctggacctga 60
cagacaacca tctgaccaca ctgcccctgg ctggacttgg gggcttgatg catctgaagc 120
tcaaagggaa ccttgctctc tcccaggcct tctccaagga cagtttccca aaactgagga 180
tcttgagggt gccttatgcc taccagtgtc gtcctatgga gatgtgtgcc agcttcttca 240
aggcctctgg gcagtgggag gctgaagacc ttacacctga tgatgaggag tcttcaaaaa 300
ggccccctgg cctccttgcc agacaagcag agaaccacta tgaccaggac ctggatgagc 360
tccagctgga gatggaggac tcaaagccac acccagtggt ccagtgtagc cctactccag 420
gccccctcaa gccctgtgag tacctctttg aaagctgggg catccgcctg gccgtgtggg 480
ccatcgtgtt gctctccgtg ctctgcaatg gactgggtgt gctgaccgtg ttcgctggcg 540
ggcctgcccc cctgcccccg gtcaagtttg ttgtaggtgc gattgcaggc gccaacacct 600
tgactggcat ttctgtggc cttctagcct cagtcgatgc cctgaccttt ggtcagttct 660
ctgagtacgg agcccgtgg gagacggggc taggctgccg ggccactggc ttcttggcag 720

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tacttgggtc	ggaggcatcg	gtgctgctgc	tactctgtgc	cgcagtgcag	tgcagcgtct	780
ccgtctcctg	tgtccgggcc	tatgggaagt	ccccctccct	gggcagcgtt	cgagcagggg	840
tcctaggctg	cctggcactg	gcagggtctg	ccgccgact	gcccctggcc	tcagtgggag	900
aatacggggc	ctccccactc	tgcttgcctt	acgcgccacc	tgagggtcag	ccagcagccc	960
tgggcttcac	cgtggccctg	gtgatgatga	actccttctg	tttctgtgtc	gtggccggtg	1020
cctacatcaa	actgtactgt	gacctgccgc	ggggcgactt	tgaggccgtg	tgggactgcg	1080
ccatggtgag	gcacgtggcc	tggctcatct	tcgcagacgg	gctcctctac	tgtcccgtgg	1140
ccttcctcag	cttcgcctcc	atgctggggc	tcttcctgt	cacgcccag	gccgtcaagt	1200
ctgtcctgct	ggtggtgctg	cccctgcctg	cctgcctcaa	cccactgctg	tacctgctct	1260
tcaaccccc	cttcgggat	gaccttcggc	ggcttcggcc	ccgcgcagg	gactcagggc	1320
ccctagccta	tgtgcggcc	ggggagctgg	agaagagctc	ctgtgattct	accagggccc	1380
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ccctccccat	tcttctcttc	ccctctcttc	cctttcctct	ctccccctcg	gtgaatgatg	1740
gctgcttcta	aaacaaatac	aaccaaact	cagcagtgtg	atctatagca	ggatggccca	1800
gtccctggct	ccactgatca	cctctctcct	gtgaccatca	ccaacgggtg	cctcttggcc	1860
tggctttccc	ttggccttcc	tcagcttcac	cttgatactg	ggcctcttcc	ttgtcatgtc	1920
tgaagctgtg	gaccagagac	ctggactttt	gtctgcttaa	gggaaatgag	ggaagtaaag	1980
acagtgaagg	ggtggagggt	tgatcagggc	acagtggaca	gggagacctc	acagagaaag	2040
gcctggaagg	tgatttcccg	tgtgactcat	ggataggata	caaatgtgt	tccatgtacc	2100
attaatcttg	acatatgcc	tgcataaaga	cttcctatta	aaataagctt	tggaagagaa	2160
aaaaaaaa						2168

<210> 5329

<211> 1116

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)...(284)

<223> similar to gi3413896 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5329

aatacatgtc	ccctagcctt	tgaccactgt	cagccacctg	tgteccctga	gccttcgggt	60
cttcacttcc	cacttggaca	tcactgctgg	acattcccat	cgagatgaca	cctgggttcc	120
aatcccagct	ctgcctttga	agcacttgcg	gccaccgtca	agtccttttg	ctctcggacc	180
ctgggtttct	catcctttaa	tgagggtggg	tcagaagctc	tcccatcttc	acagcaacc	240
tggcactggc	ttctcaatgg	gagggaagca	gcagagaaac	tgaagtgtta	gacactatgt	300
gtcccaccac	ccattacag	agacatatga	caatgttcag	caggtcacat	ttaatgcaga	360
ggaggagatg	ggatgtcact	cgctgtctgg	aggcacgtgg	gtggtgtgcg	ggccctcact	420
ggccagcctc	tgggtggccc	cgcctatccc	agtatgaacg	tagccaactc	aagccctcta	480
ctgtgtctca	gcccacgaag	cctttgtagc	cttcactctc	cagcagttga	aacagatagg	540
ggaaattcag	ctctccgggg	ctgctgggct	cccctcgacc	tgggacctgt	gccacctgca	600
catgcccac	aatgggcagg	aactcccgga	tgtttcctgt	cagggttcca	tccatgatct	660
gccagtggaa	tatgtccatt	tgtaattgga	ggttgggtct	tcctaccttc	tgtgaagatgg	720

gaccgagaga	gcaagaaggc	tgacaccaac	gccccgacag	atattgacag	ccccaaaaac	1860
ctggtgactg	accgggtgac	agagaatatg	gccacggtct	cctgggaccc	ggtgcaggcc	1920
gccattgaca	agtacgtggt	gcgctacacc	tctgctggtg	gagagaccag	ggaggttccg	1980
gtggggaagg	agcagagcag	cacagtcctg	acaggcctga	gaccgggtat	ggagtacatg	2040
gtgcacgtgt	gggcccagaa	gggggaccag	gagagcaaga	aggccgacac	caaggcccag	2100
acagacattg	acagccccc	aaacctgggtg	accgaccggg	tgacagagaa	tatggccact	2160
gtctcctggg	acccggtgcg	ggccaccatt	gacaggtatg	tggtgcgcta	cacctctgcc	2220
aaggacggag	agaccaggga	ggttccgggtg	gggaaggagc	agagtagcac	tgtcctgacg	2280
ggcctgaggc	cgggtgtgga	gtacacgggtg	cacgtgtggg	cccagaaggg	ggcccaggag	2340
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gactgggtga	cagagaatac	agccactgtc	tcctgggacc	cgggtgcaggc	caccattgac	2460
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gagcagagag	gcactgtcct	gacgggcctg	aggccgggca	tgagtagcac	ggtgcacgtg	2580
tgggcccaga	aggggaaacca	ggagagcaag	aaggctgaca	ccaaggccca	gacagaaatt	2640
gacggcccca	aaaacctagt	gactgactgg	gtgacggaga	atatggccac	tgtctcctgg	2700
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gacaccaagg	cccagacaga	actcgaccct	cccagaaacc	ttcgtccatc	tgctgtaacg	2940
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acttaccagt	tcccagatgg	cacagttaag	gagatgcagc	tgggacggga	agaccagagg	3060
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cacccttcgg	actgcagtca	ggttcagcag	aacagcaatg	ccgccagtgg	tctgtacacc	3240
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ggaggtggct	ggattgtctt	ccagaggcgg	aacactgggc	agctggattt	cttcaagcga	3360
tggaggagct	atgtggaagg	ctttggggac	cccatgaagg	agttctggct	tggacttgac	3420
aagctacaca	acctcaccac	cggcactcca	gcgcggtatg	aggtgagagt	ggatttacag	3480
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aatggatgga	agtttacaac	ttttgacaga	gacaacgata	tcgcactcag	caactgtgcc	3660
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tatggggaga	ccaagcacag	tgaggggggtg	aactgggagc	cttggaaagg	acatgaattc	3780
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ggcagaaaga	agcggacgct	gagagggaagg	ctgcgaacgt	tctgatggcc	cgtgtgagca	3900
gtcctcgag	gagacaccac	cagctgtggc	agcttggggc	ggggtgggta	gtggtcactg	3960
cggctcggga	gtgctcagat	agcccgcaga	acaaatcatg	tcaccaagct	tcaagccatg	4020
gaggttcctt	ccctctcacc	tgcatttttg	cccgctctta	tgaggggtctt	gaaaatcaaa	4080
atagtagttg	cacagtatgt	gtaggaaaga	cagtactgga	acggcaaggt	ttctcagctt	4140
atcttcagca	acatatatac	tggattaggg	caagagaagg	aatcaccacg	cacttcacca	4200
gttggaatc	tctggaaatt	tacatctatg	tatttaaagt	tctgctaatt	caaattcttt	4260
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ggacgtttgt	cacctccttt	cccattgggt	ttttaggaaa	acagtgtgaa	cctccccctt	4380
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tttagctaag	ttctgacttg	tatccagcat	gctggagacc	aaagctgccg	ccttactgct	4500
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gtgaataaat	tctcactcat	ttcaactttg	aataatttga	ctgtcttgat	aattgggttc	4620
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cccgccttgc	actattggag	ccctgggttt	tggtgggagt	ctcagcaccg	tgagtcttac	4740
tgtttgatcg	gacagtttag	aagatcagat	cctttttgct	tattttctat	cactttggag	4800
ggttttctgt	agcaaaatca	gtgaccaatg	aagtaactta	aattcctatt	gaagaacaaa	4860
aataataaac	cacttgattt					4880

<210> 5331
 <211> 831
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)...(301)
 <223> similar to gil9923 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5331
 cactagtcca gcgtggtgga attccccaga tgccccctcag tcccgtttct ccccagatcc 60
 acacctggcc ctccccctcc tgttccagaa tgcagcccag cccctctgcc atcctgtcct 120
 cctagcccggt ggtctccctc cacacacgcc agtcaggct ccttcccttg gtgcctgacc 180
 cctcctggct gccagcagcc cccttctggc cactgcccac tgaggaggagg ggcttctct 240
 taccctccc cagcctgggc cactgggcct ggtactgagg acctcgtgc caccacccc 300
 cactctgcca tgctacgggg ggtggggggg cggtcagtgc atgctgttcc tagtctgaaa 360
 cttgtgtcct gtgggtgcct ggtggggaac ccttgcggga aggcctggtg ggtttgtccc 420
 tgcttcccag ccagcctgtg tccccgggta tgggctgggg tctggcatgg gcctctgcag 480
 ctggccacag actgaggggc tccaaacagc actgggaaca gcctcagggt atctggttgg 540
 gggctgcaga caggggtggg gtcttctgct tggccttgac aggttgacagg caggttgtca 600
 gccgatctg caatctcatg ggggcttggg gtcttcccgg ctcatgagggt tatggcagaa 660
 ttcagctcct ggtggctggg gactgggtcc cacctccctg ctggctggtg gcccttccca 720
 gcatggcggg tgcttcccct tcagggccag caggactggc ctgaatttct ccctatctgg 780
 cgttgaaaca ccctcaatga gctaaccctc ctccaccagg ccccaacctg g 831

<210> 5332
 <211> 1035
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (923)...(716)
 <223> similar to gi297157 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5332
 tttttttttt ttcaaattggc caaaagcaat ttaatttttg gaggaaaaaac tgcataccca 60
 gtacaactta tatctcaggc gaaatgtctc aaaatcttcc tgctcattgg acaaaaactc 120
 agcttcacca cattgccagc cgggagacca tgaaaggga ctggcgccac tgccccagc 180
 tgcccttccc aggggcgaac ttcaccaaga tgtggaaatc ctgggcccac cccacagtca 240
 gtcctcgtc catttcttcc tggcaccacc acctccatct ggcttgcctc ccaaccccc 300
 agaagcagggt gggcccaggc tccaggccag tgcccccatc aagatcagac gtaaggcatc 360
 ttcccaccgt cgtgtgtctg cggggacttt tccaatcctt ccttctctc tgtccagagg 420
 ctgccagggt gagggggcca ccgtccagggt ggaacaggca caggcatcgg ggaatcagat 480

ggtatcagtg	gggatagggc	acagcacttt	cctgggagcc	atgtgacgcc	agatcttcct	540
ctggcagttc	ccactggctg	tgggaagtgg	ttttcataaa	gggggccaac	ttccaggaac	600
atctagggct	cgggagcaac	ccagcattga	cagtgaatca	gaatccacct	agagctggcc	660
atggcccagg	caggggggtgt	cttccccaca	gcccccagga	gtggctgcac	ctagtgggcg	720
cagcatttgg	cctgcctcgc	gggccccttg	ttcagagcca	cagctgcatc	ccccgtaga	780
gcttgccct	cctcgtcgt	tctctgcagt	agctcttggg	ccactgtatt	gaacacctcc	840
gacacctggt	ggttcagttt	ggccgaagt	tccatgaaca	gcaacttctg	gctgtcggca	900
aactccttcc	cttcctgaag	gaaacagcca	caaaatccag	cgctgtttat	aagagagttt	960
cctaaggaca	cctggttcac	ttccaacagt	aagatccgag	aaagctgcag	ccgtggagcc	1020
cgccggacgc	gtggg					1035

<210> 5333
 <211> 1200
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (8)...(716)
 <223> similar to gi2507613 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5333	
ctacagctca	cgcatcgtgg
cagccttcag	ttccagggct
catcactgct	gcacactgtg
gggtctagtt	tccctgttgg
ccacagcaag	tacaagccaa
gccactcacg	ttcaatgaaa
ccccgatgga	aaagtgtgct
cgctctccct	gtcctgaacc
cagggacgtg	tacggtggca
tggcgtggac	agctgccagg
gtggaagtta	gtgggagcga
ggtgtacacc	cgtgtcacct
aaaaacctga	aaaggaagg
ccgatcctcc	cctggactcc
tgagtcccg	caccagtagc
ccttcaagct	gctttttgtt
ctggagtgca	gtggcgaaat
tctcttgct	cagcttcccc
atttttgtat	tttttagtaga
ctgacctcaa	atgatgtgcc
	tgcttcagcc
	tcccacagt
	ctgggattac
	aggcatgggc
	1200

<210> 5334
 <211> 3156


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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3139)...(2740)
<223> similar to gi4150963 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5334					
aacaccagg	gtttttccaa	accccagggt	gttaaaaccc	ggcccccgga	atattttttg	60
ggggggcccta	aaaaaaacct	ttattttccc	aaccccgtt	attaaaaatg	aaacctttta	120
aagggccccc	cccttttttt	tttttggtcta	agttgccctt	tattaacgaa	aacatagagc	180
tttcggtcaa	ttccaccacg	gagaacacaa	accagagata	aaaccacac	caagggctat	240
ttcccaagct	ggggaatttg	agaacacacg	ggcagagttc	acgccacaca	actacactgg	300
gctcgtcctt	gggaggcggt	cacaggaagc	aatcacgagc	gccaagccac	ccacaaggca	360
gtgcggcaag	gctcccggga	tccttacagg	catccaagcg	aggtacagaa	acctccacag	420
cagtggggat	aaggggaaaa	tattttctct	tgctaaagaa	tatccttagt	tctcaacata	480
aacatgacta	cgtatatatt	cagcttcaaa	tgaaaaacaa	gtttacaaat	cactactgga	540
tacttaaaact	ctatgtttgct	tttttttttg	gcagcaccag	cctaaactct	gtggggtttgc	600
aatatattcag	aaactttcagg	tacattacag	tcttctgaga	aaggcccaga	acttcagaat	660
tcctggagcg	gctgtgaaga	aagaacatta	ctggcaacaa	atattaaaaa	aacatttcaa	720
gaactccaag	aatacactga	gagggtttgta	aaggtgcaca	tatttaaagca	ttcaagctat	780
atcctaaatc	atttttctgt	taacgtatatt	atttttggct	taggaaaaaac	atgtacttta	840
ttggcaaatt	gttttagctg	tagacggatg	gatgattcta	cagccacact	cccctttccg	900
ggtgtacatc	cggggcctgt	gcacctgcgc	ggaatcaggc	aactttgttt	ttcccggtcc	960
ccaaaaagct	cacctttgac	acacctctta	tatgcacagg	aaaactgctc	ttcttattca	1020
gggtctcttt	ttgtggtgga	attcagagaa	actgggttgc	aacatctttt	tagggagagg	1080
tcgagtatgt	tttttcattc	gagtgactct	gcatgcttaa	ggaatctgag	tcggtataaa	1140
ggactagacc	actgaattgc	gtacagcgtc	ccaggatgcc	tgcagcccca	gagtacaaac	1200
tgtagatgct	ctcgtggcct	gaatgtggaa	ttttaccac	cagaaagcat	tactggagcc	1260
caaactggca	actttaaata	gctcaatgat	atcgggtacct	tcccctttgg	tttcaaaagc	1320
aatcatgacc	gaacattttc	aactgtgagg	caaagctgac	ttgcatacca	aaaaacacct	1380
ttccaaaaac	attcaatgag	gtagctcaga	tcaattatca	aacccaagtg	aataccaaga	1440
agcttaataa	atgctcaggc	attttaaaat	gcaaattgct	acagtgccta	ataaatgctc	1500
tttcttccca	attcttgagc	gtgcattgcaa	atggttagga	ggagcccctg	caaagtgagg	1560
acagcgagag	ctgtgggagt	aatgaagctg	gcaaggagca	gagaggaggg	ggtgccctgg	1620
ggcacccaac	ttaggctaaa	gtgcgcctgc	ccaccacaga	gctcaagtgc	aatcagctcc	1680
agagaacaaa	caccaagtag	aactcagggc	tcgatgggct	gaaaagtggc	cttgactcaa	1740
ggcgctaggg	aaccttcagc	ctggtgcatt	cacattgaga	tggaggcaat	ctaagatact	1800
tcctttaaat	gctgagttgg	tataaagtgc	tggcccactg	gaccagctca	gggcagtctc	1860
tcacgttttc	cagggcccca	gagccacctt	ccctctagag	gagtctggcc	cctgttgccc	1920
ccaccacacc	accctgggtg	ggttctggga	gaggccatgc	tcttagccac	tcgtccccctg	1980
agttctcacg	gtctgctcag	aggcacagac	tgctctttgc	tgggtagctt	ttcggaggtc	2040
gagctcaaat	gccttccatg	tggagtcttg	gacaaaggga	aaggtggcca	caccaacccg	2100
ggcagcaata	tgaattctgt	gacttccagc	agtaagaaag	agttcacaca	cacacaaaca	2160
ttcatgtgca	cagacacttt	cacaacatac	acacatgtac	acacttaggt	gcacataccc	2220
tactcacac	aggcacacac	atgcatccac	ttagtcaccc	acacacaagt	gcactcacac	2280
acacgcacgt	gcacagagca	gtgcacagcc	actgggcaac	atccccgggg	gcagcaagct	2340
caggtgcagc	cagggtaggg	gtgggcgagg	tgcaggggcc	tggagcaggg	ctgggcggtg	2400
ttgcttgggg	gaaggagccc	tcgccccacc	tcgccccggc	tatctccctt	tcctgtcctc	2460
atcggccacc	accaccgcac	ccctgccag	ccgggcacac	tgaagacaag	cagtggggaag	2520
gaaggcagca	ggtcgcttgc	gttaggtctc	cgtcgtataa	ttatcgtagg	tcagcggagc	2580
cagtgcggga	aaactgctcc	accgcctggc	gccgggatgg	ggctctgtgc	gcccttgctc	2640

cttatatttta	cccagaatgt	ttttggcttc	ttctgcatcc	tgcaaagggc	tctctccata	2700
ttcttctcttc	agccactgcc	gatactgatg	gacctcatgc	ttctcaaact	cctggagctg	2760
tctctggaag	cccacgttgg	ggttggcaca	ggatctccca	gcacgcacgg	tgtgcagggc	2820
atcctcccag	ccaaagtcag	tgacgggtcat	gatgtatgcg	atcaccagtg	tcacgctcct	2880
ggagacccccg	gccaggcagt	gtacaaggca	gctctcaccg	cggagccggc	actcgtgaat	2940
gaattttaata	ctttctttga	aatgtcttgt	caggttttga	gatggtgaat	ccgctgctgg	3000
gatgcacagg	tatttaactc	cctccaacat	aggcctggca	ctatcgtgga	cagacagaat	3060
atgtgtcacc	ttgttcttgc	tcaattgttc	cgcgtctctg	gcatctttga	agttgccgat	3120
gtacaggccg	ggcaggatct	tgttcatccc	attccc			3156

<210> 5335

<211> 1757

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1742)...(1110)

<223> similar to gi3881304 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5335

tttttttttt	ttcagagctt	aaaaaccaa	aggcagaaaa	tagactttat	tccaagacag	60
atttgtaaaa	gatgttttta	aagggaaagg	caagtcacgc	tactaaatca	aacattgttc	120
acaattttctg	gatcttcttc	ctcgcctgg	cactgcagct	gagccttggc	ggatatgctc	180
ggggccctcg	gcgagagga	acttagcctc	gattctcttc	ctgaggggct	tcttaacttt	240
tccaagccag	gcagtgagcg	tggtgggagg	ctggggctgg	tgctgcgga	cagctccaga	300
tggaatccca	ggccacggtg	cttctagtgt	ccccccagcg	agcttgcggt	gtggcaggcg	360
gccaggaagg	gccatgagca	gggtggcctg	aatgaaaacc	gagggccgaa	gccagcctga	420
ctccctcgcc	taagctgggg	ctcggtcgga	ggcacacgca	tggccttggc	cagacacaaa	480
ccaagagact	gccatgacag	acagagcaga	aacctcccga	gcactgtgtt	caagctaagc	540
tttctaaga	cgggcttctc	aggcgagacg	tgacaccaga	caccgtcgca	tgttacttgg	600
agagaacaga	gacgtgcggg	ccacagcggc	ccaccaaagg	ctgccatcca	agctgagttc	660
cgcaggcctc	acctgcagct	ggagagggac	cttgccctga	tcctcctggt	aggtacccgc	720
taagggatcc	aggacagagc	gtcacactgc	acgcagggtc	ctccgccacc	accatccaag	780
aaccccgggg	ggetggccac	gcgctggcct	ctgccaagga	gtgccagtgg	ttcccgggac	840
ggggccgccc	aagcaggtga	gggaggttta	gatgaatgac	ttggccaggg	tcaccatgtg	900
gtccacgcca	catgccacgt	ccacaggctc	cccaggcatc	gtcaccctcc	atgggaaata	960
ctggtcctcc	aggcgaccga	ttcccaggca	ccctcggatg	ttcttgcccc	atacaaacag	1020
ctctcctttg	ttggtcagtg	cagcaaagtg	gctgagtcca	catcggatgc	gggaaacctg	1080
gatttctggg	ttgaactccg	tcaagccaaa	gagagtgggt	ggaatcattt	cagggacggc	1140
actttccact	aggtttggac	ctttcccaag	aattccatag	ccccagacaa	aaacatgtcc	1200
ttctccgttt	aacactgcac	agcccggtgc	accgcattga	gcctgtcgca	ccttccccac	1260
tcctgagaag	tgtaagcagc	ggggcacatt	cacctgtgtg	gagtcagtga	cagaggccag	1320
ctgcaggtag	tccgagtttc	cccaaccaa	aagtcctccg	tcggcggaca	cggccaggca	1380
gcaatcaccg	taggtggcaa	cttggtatac	gttactctcc	gccaggtctc	cacccagctt	1440
ggtgggagag	ctggtgatat	tgtagtgaac	cagacctgtt	tgcccatcag	caccccatcc	1500
acaagaatag	acttctcctt	tatccgtcag	gaacagacta	tgatcctgac	cacaggcgac	1560
ctggaccacc	tggccatcga	agtcctgcat	cctgtggact	ctgtgacttt	caactgtaaat	1620
ttcattttcg	accacctttc	ttccacattg	cccataagaa	ttgtttccca	tgctgaagac	1680

```
tccttccctg tcagtcaaca caagagagtg agctcggccg caggagactt gcagcacccg 1740
tgtctcctga ggtctgt 1757
```

```
<210> 5336
<211> 459
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (29)...(368)
<223> similar to gil370190 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5336
tctagtccag cgtggcggaa ttccagatgg tgtcatcgtc atgtacgata tcacagacaa 60
gcagtcgttc ctgtcgggtcc ggcgggtggct gagcagcgtg gaggaagctg tgggagaccg 120
ggtgcctggt cttctgctgg gtaataagct tgacaacgag aaggagcggg aagtcccccg 180
gggcctcggg gagcagcctg ccacggagaa caatctgata ttctatgaat gcagcgccta 240
ctctggtcac aacaccaaag agtccctgct ccatctggcc aggttcctca aggagcaaga 300
agacacagtg agagaggaca ccattcaggt cgccaccct gctaagaaga aatcctgctg 360
tggctgatag ggtcctacaa ggactgcccc cagcaaact gaggtcacag agcctgccct 420
gatcctgcac acggctcctg cacagatgcc acccaccgg 459
```

```
<210> 5337
<211> 1885
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (27)...(1513)
<223> similar to gi436480 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5337
attgatcacg ttggaggaat tcgcgtgact acgtgcgcca gacgtggaag ctggagggcg 60
aggccctgga gcaggccatc atcagccagg cccgcaggt ggagaagctc attgctacga 120
cggccacaga gcggatgcc tggtaccaca gcagcctgac gcgtgaggag gccgagcgca 180
aactttactc tggggcgag accgacggca agttcctgct gaggccgagg aaggagcagg 240
gcacatacgc cctgtccctc atctatggga agacggtgta ccactacctc atcagccaag 300
acaaggcggg caagtactgc attcccgagg gcaccaagtt tgacacgctc tggcagctgg 360
tggagtatct gaagctgaag gcggacgggc tcatctactg cctgaaggag gcctgcccc 420
```

acagcagtg	cagcaacgc	tcaggggctg	ctgctccac	actccagcc	caccatcca	480
cgttgactca	tcctcagaga	cgaatcgaga	ccctcaactc	agatggatag	accctgagc	540
cagcacgcat	aacgtcccca	gacaaaccgc	ggccgatgcc	catggacacg	agcgtgtatg	600
agagccccta	cagcgaccca	gaggagctca	aggacaagaa	gctcttctg	aagcgcgata	660
acctctcat	agctgacatt	gaacttggt	gcggcaactt	tggctcagtg	cgcagggcg	720
tgtaccgcat	gcgcaagaag	cagatcgacg	tggccatcaa	ggtgctgaag	cagggcacgg	780
agaaggcaga	cacggaagag	atgatgcg	aggcgagat	catgcaccag	ctggacaacc	840
cctacatcgt	gcggctcatt	ggcgtctgcc	aggccgaggc	cctcatgctg	gtcatggaga	900
tggctggggg	cgggccgctg	cacaagttcc	tggtcggcaa	gagggaggag	atccctgtga	960
gcaatgtggc	cgagctgctg	caccaggtgt	ccatggggat	gaagtacctg	gaggagaaga	1020
actttgtgca	ccgtgacctg	gcggcccgca	acgtcctgct	ggttaaccgg	cactacgcca	1080
agatcagcga	ctttggcctc	tccaaagcac	tgggtgccga	cgacagctac	tacactgcc	1140
gctcagcagg	gaagtggccg	ctcaagtgg	acgcaccoga	atgcatcaac	ttccgcaagt	1200
tctccagccg	cagcgatgtc	tggagctatg	gggtcaccat	gtgggaggcc	ttgtcctacg	1260
gccagaagcc	ctacaagaag	atgaaagggc	cggaggtcat	ggccttcac	gagcagggca	1320
agcggatgga	gtgcccacca	gagtgctcac	ccgaactgta	cgcactcatg	agtgactgct	1380
ggatctacaa	gtgggaggat	cgcgccgact	tctgaccgt	ggagcagcgc	atgcgagcct	1440
gttactacag	cctggccagc	aaggtggaag	ggcccccagg	cagcacacag	aaggctgagg	1500
ctgcctgtgc	ctgagctccc	gctgcccagg	ggagccctcc	acgccggctc	ttccccacc	1560
tcagcccac	cccaggctct	gcagtctggc	tgagccttgc	ttggttgtct	ccacacacag	1620
ctgggtctgt	gtaggggggtg	tctcaggcca	caccggcctt	gcattgcctg	cctggcccc	1680
tgtctctct	ggctggggag	cagggaagtc	cgggaggggtg	cggctgtgca	gcctgtcctg	1740
ggctggtggc	tcccgagggg	ccctgagctg	agggcattgc	ttacacggat	gccttccct	1800
gggccttgac	attggagcct	gggcacctc	aggtggtcag	gcgtagatca	ccagaataaa	1860
cccagcttcc	ctcttgaaaa	aaaaa				1885

```
<210> 5338
<211> 1060
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(659)
<223> similar to gi5817223 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5338					
cccagcctct	gcccggggca	ccccggcctt	ccaggcacgc	cgggccacca	tggcagccag	60
ggcttgccgg	gccgcgatgg	ccgcgacggc	cgcgacggcg	cgcccggggc	tccgggagag	120
aaaggcgagg	gcgggaggcc	gggactgccg	ggacctcgag	gggacccccg	gccgcgagga	180
gaggcgggac	ccgcggggcc	caccgggcct	gccggggagt	gctcggtgcc	tccgcgatcc	240
gccttcagcg	ccaagcgctc	cgagagccgg	gtgcctccgc	cgtctgacgc	acccttgccc	300
ttcgaccgcg	tgttggtgaa	cgagcaggga	cattacgacg	ccgtcaccgg	caagttcacc	360
tgccaggtgc	ctggggtcta	ctacttcgcc	gtccatgcc	ccgtctaccg	ggccagcctg	420
cagtttgatc	tggtgaagaa	tggcgaatcc	attgcctctt	tcttccagtt	tttcgggggg	480
tgcccaagc	cagcctcgct	ctcggggggg	gccattggtga	ggctggagcc	tgaggaccaa	540
gtgtgggtgc	aggtgggtgt	gggtgactac	attggcatct	atgccagcat	caagacagac	600
agcaccttct	ccggatttct	gggtgactcc	gactggcaca	gtccccag	ctttgcttag	660
tgcccaactgc	aaagttagct	catgctctca	ctcctagaag	gagggtgtga	ggctgacaac	720

caggatcatcc	aggagggctg	gcccccttg	aatattgtga	atgactaggg	aggtggggta	780
gagcactctc	cgtcctgctg	ctggcaagga	atgggaacag	tggctgtctg	cgatcaggtc	840
tggcagcatg	gggcagtggc	tggatttctg	ccaagacca	gaggagtgtg	ctgtgctggc	900
aagtgtaaat	ccccagttg	ctctgggtcca	ggagcccacg	gtgggggtgct	ctcttcctgg	960
tcctctgctt	ctctggatcc	tccccacccc	ctcctgctcc	tggggccggc	ccttttctca	1020
gagatccact	caataaacct	aagaaccctc	aaaaaaaaaa			1060

<210> 5339
 <211> 2481
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (500)...(848)
 <223> similar to gi5668598 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5339						
tggcgaattc	attatagacg	tgagccatca	caccacagcca	cagtttgaga	ctttatgatt	60
taggcagtgc	aaagcctttg	aaaaaactgg	atcaagtttt	tacggagggt	ggtgagttgg	120
tgctatgcaa	aatgaatttg	gaggggtaag	agacaaagca	aggagaacat	tcggaaggct	180
tttgcaatag	agaacaggct	aaatataagg	aagacctgaa	ttagaattgc	ggaggaaggc	240
atggaaaagc	aagaaaaaaa	tcaagaacag	gtatctggaa	gaatgggtgat	gctgttcaag	300
aaaaaggcca	tacattttatt	ctgaatgttg	gtatctggaa	gaatgggtgat	gctgttcaag	360
taataaggac	aaaggggaac	caggcactgt	gagcctctgt	gggggtgtgt	actcttttag	420
ctcatgtgtt	tcaagtcatt	ctaccccttg	cgtctccac	atccaaacct	aactactttg	480
gatttttaatt	gcagctcctc	cacccccacc	acctgtgatc	cgaaatgggtg	ccaggggatgc	540
tccccctccc	ccaccaccat	accgaatgca	tgggtcagaa	cccccgagcc	gaggaaagcc	600
cccacctcca	cctcaagga	cgccagctgg	gccacccctc	cctcctccac	cgccccctgag	660
gaatggccac	agagattcta	tcaccactgt	ccggtctttc	ttggatgatt	ttgagtcaaa	720
gtattccttc	catccagtag	aagactttcc	tgctccagaa	gaatataaac	actttcagag	780
gatatatccc	agcaaaacaa	accgagctgc	cgtggagacc	ccacctctgc	caccatttct	840
caggtgaagc	ctggcttggg	ccggttcctc	aggaaaagga	tggaccttct	cttcttctca	900
gatggtccct	tccattcccc	tgaaacctgc	atgagagctc	ctaacatgtt	tctccaatgc	960
aatcaagccc	tagactccaa	atgtcctccc	agctcacctc	catctatgca	tctcatctct	1020
ggatttggtg	atcagactct	atattgacag	taggatctca	aacctgcat	ccatccttcc	1080
tccagcaagc	cctgctagcc	acatgaggaa	caagtttccg	tgtcttctgc	cttcctcttg	1140
gggaaagggtg	ccttggttggtg	atgaattaac	tcactgttag	ggcaggggtg	agaatgggtac	1200
tccttccttc	tcctgtccac	tgtgggggaa	gcttggcagg	tatattatat	ttcatcattt	1260
aggaggctgg	catgaccagg	acttatgggt	gggaggggag	catttttagt	gaagcaagaa	1320
aggagtttgc	caagaagtga	tctgttttaa	aggtcatatt	tggagaaagg	gcaaggaatt	1380
gggtctgctt	tatttttggg	ggtattttgt	ttttgttctc	acctgctgcc	ccccacccc	1440
accacccag	ggataaattg	gatataaaca	ctaaatacta	atcagttgaa	cttaacattt	1500
aataaaaaga	aagggtgaaa	taaactgaag	accatttttag	aactagtcag	ttctctgcag	1560
caaagggaac	aggagccatt	tgaaccctct	gggacccctc	acccactgc	ttcagggtgc	1620
taggctgagg	gatgtttttc	ctccccctta	ccgcccctgc	ccttgaaaga	aaagtcactt	1680
tttgtggagg	gcatcattca	ttcctgatcc	acaaacccca	aaaacctctg	gtgggagata	1740
ggaagatagg	gcgtgggcct	gggccttaac	ctcaatcttg	tgtctgcctc	agtcttttct	1800
gactggccct	gaagttgtca	gtggctcttt	ctgtccttca	gcccctggaa	ggtgctccag	1860

gataacaaag	aagggcaggt	tgaagcccct	catggaagga	gctggctttg	tggggctgca	1920
aaggactttt	aagtcctgcc	tgtactgaag	ttcacagccc	acctgactga	gcagactctt	1980
cctgttcctt	tctctaccac	ccttgccctc	ccaggactgc	acggtttaac	acagcagagt	2040
acagaagggg	gaagaagtga	gcagaggctt	atgaagatat	tcagatactc	ttctatgcca	2100
ggaagcacaa	agactttgtt	gagatttgcc	tcagttcagt	agatcttcct	tggcagccag	2160
ccatagggtg	tttctttgtc	ttccgggtcc	taaagagcac	agagaaaatg	gaggtcccca	2220
gtctaggtag	gaagctgatt	ggatgaggac	ttcttttttt	ccgacagcag	gatggggctc	2280
ttgggctcca	cacaccagat	gctttgggtt	tctacaactg	ttgctatgtg	tagaggggtg	2340
tcagagcgtg	gcatgagagc	aaggagacca	tggctactct	ttgaaatgga	tggggaaaat	2400
tagcttaaaa	atttaatcac	gagattgcgc	cactgcactc	cagcctgggc	gacagagcca	2460
gactccgtct	caaaaaaaaa	a				2481

<210> 5340
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (75)...(445)
 <223> similar to gill184790 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5340						
agaggagcgg	gccgaggact	ccagcgtgcc	caggtctggc	atcctgcact	tgctgccctc	60
tgacacctgg	gaagatggcc	ggcccgtgga	ccttcaccct	tctctgtggt	ttgctggcag	120
ccaccttgat	ccaagccacc	ctcagtccca	ctgcagttct	catcctcggc	ccaaaagtca	180
tcaaagaaaa	gctgacacag	gagctgaagg	accacaacgc	caccagcatc	ctgcagcagc	240
tgccgctgct	cagtgccatg	cgggaaaagc	cagccggagg	catccctgtg	ctgggcagcc	300
tggtgaacac	cgtcctgaag	cacatcatct	ggctgaaggt	catcacagct	aacatcctcc	360
agctgcaggt	gaagccctcg	gccaatgacc	aggagctgct	agtcaagatc	cccctggaca	420
tggtggctgg	attcaacacg	cc				442

<210> 5341
 <211> 1497
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (983)...(1262)
 <223> similar to gi495222 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	5341						
cgggtggcatt	cgttgtggag	tgaatgtaag	ttggacacag	aaaatccctc	ataatatcct		60
cctgttttgg	tgtatagtgg	cctatgagca	gattctgtgg	cttagactcc	cagtcccatg		120
gttcctggct	cctgatgtct	tttcccataa	cattttgaca	ttccaacaaa	ctctaattag		180
ctgaatgatc	aatcacagaa	atgtaaatgt	agaagcgaat	ttacagatca	tacagctcca		240
ccctgtaaat	aaaccaggat	gattagggta	ttcacgatat	tgcagattgg	ccagctcatg		300
acttgccctt	tgttcctagc	tctgtgcctg	gcctcagagg	agagccttgg	tgcacgtttg		360
actttttaat	ctttatttga	acctgttaca	caccgtcacc	cccactgctc	tgcttgccac		420
agacatggaa	ggttcactaa	ggccttaagg	cactcatgca	agctcacaag	agaaagaaat		480
ctgtaaggca	tgtagaattt	ggactcaatc	atgttggctc	ttaatgtgcc	tagagcaatg		540
gaatgggcac	ttttggggcg	gtggaattca	agacgctctg	gctgaagatt	cagaagtatc		600
tggtaactct	cttttccctc	tgggcatcct	ctcctctgtt	ctaactctcc	cttacactca		660
ttcctggctc	attgtattct	gaccacatcc	ttaatcatgg	tcaaaactat	tgagtcctgg		720
gcacattgg	catgaaggaa	caagaaggca	atgagagact	ctcatgccaa	ccactgccct		780
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tgaaaccttc	ttgggaggag	tcaatagggt	ctccttttga	aagtgtccct	ggccttttga		900
gaaagcagtg	tgggtggagg	agatggttct	ggcagggggc	gtgaatgggt	gttttctact		960
tgggatttct	ttcctgcttt	aggagatcta	ttgggaaact	gattataacc	actcgggcac		1020
catcgatgcc	cacgagatga	ggacagccct	caggaaggca	ggtttcacc	tcaacagcca		1080
ggtgcagcag	accattgcc	tgcgggtatg	gtgcagcaag	ctcggcatca	actttgacag		1140
cttcgtggct	tgtatgatcc	gcctggagac	cctcttcaaa	ctattcagcc	ttctggacga		1200
agacaaggat	ggcatggttc	agctctctct	ggccgagtgg	ctgtgctgct	tgttggtctg		1260
accgggggtt	tccgacatca	gtgacactcc	ctgccccact	gcttgcttct	tgtcacccct		1320
tctctacaat	tttgtgaaca	tttatgctcc	agtggcattc	actggtttgt	catacccttc		1380
ttgccctggg	tctatttcag	cagcactgag	ctatgagcta	tctaagccga	cccgtggggc		1440
ccaagtggag	ggaaagcaat	caattaaagt	tgtgaqccaq	aatqgtaaaa	aaaaaaa		1497

```
<210> 5342
<211> 1968
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (208)...(1822)
<223> similar to gi4008355 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5342						
acactatctt	tttgcaaaaa	atgaaacttt	taatccacat	ttaaaaaataa	ggctgtggga		60
ttttggagaa	gcatttttaa	aacttgagga	ctttatatgt	tactcctggg	aggttaaaca		120
ttgtttcaga	ctaatagaac	tagcattatt	aacgtgctga	ctctaactga	atttgttttg		180
ttctctctct	actaggtgat	tcgtgaagct	aagagaacag	caccaagtat	agtgtatgtt		240
cctcatatcc	acgtgtgggtg	ggaaatagtt	ggaccgacac	ttacagccac	atttaccaca		300
ttattacaga	atattccttc	atttgctcca	gttttactac	ttgcaacttc	tgacaaaccc		360
cattccgcct	tgccagaaga	ggtgcaagaa	ttgttttatcc	gtgattatgg	agagattttt		420
aatgtccagt	taccgataaa	agaagaacgg	acaaaatttt	ttgaagattt	aattctaaaa		480
caagctgcta	agcctcctat	atcaaaaaag	aaagcagttt	tgcaggcttt	ggaggtagctc		540
ccagtagcac	caccacctga	gccaaagatca	ctgacagcag	aagaagtgaa	acgactagaa		600

```

gaacaagaag aagatacatt tagagaactg aggattttct taagaaatgt tacacatagg 660
cttgctattg acaagcgatt ccgagtgttt actaagcctg ttgaccctga tgagggttcct 720
gattatgtca ctgtaataaa gcaaccaatg gacctttcat ctgtaatcag taaaattgat 780
ctacacaagt atctgactgt gaaagactat ttgagagata ttgatctaata ctgtagtaata 840
gccttagaat acaatccaga tagagatcct ggagatcgtc ttattaggca tagagcctgt 900
gctttaagag atactgccta tgccataatt aaagaagaac ttgatgaaga ctttgagcag 960
ctctgtgaag aaattcagga atctagaaag aaaagagggt gtagctcctc caaatatgcc 1020
ccgtcttact accatgtgat gccaaagcaa aattccactc ttgttggtga taaaagatca 1080
gacccagagc agaatgaaaa gctaaagaca ccgagtactc ctgtggcttg cagcactcct 1140
gctcagttga agaggaaaaat tcgcaaaaag tcaaactggt acttaggcac cataaaaaag 1200
cgaaggaaga tttcacaggc aaaggatgat agccagaatg ccatagatca caaaattgag 1260
agtgatacag aggaaactca agacacaagt gtagatcata atgagaccgg aaacacagga 1320
gagtcttcgg tggaagaaaa tgaaaaacag caaatgcct ctgaaagcaa actggaattg 1380
agaaataatt caaataactg taatatagag aatgagcttg aagactctag gaagactaca 1440
gcatgtacag aattgagaga caagattgct tgtaatggag atgcttctag ctctcagata 1500
atacatatct ctgatgaaaa tgaaggaaaa gaaatgtgtg ttctgcgaat gactcgagct 1560
agacgttccc aggtagaaca gcagcagctc atcactgttg aaaaggcttt ggcaattctt 1620
tctcagccta caccctcact tgttgtggat catgagcgat taaaaaatct tttgaagact 1680
gttggttaaaa aaagtcaaaa ctacaacata tttcagttgg aaaatttgta tgcagtaatc 1740
agccaatgta tttatcggca tcgcaaggac catgataaaa catcacttat tcagaaaatg 1800
gagcaagagg tagaaaactt cagttgttcc agatgatgat gtcattggtat cgagtattct 1860
ttatattcag ttctatttta agtcattttt gtcattgtccg cctaattgat gtagtatgaa 1920
accctgcatc ttttaaggaaa agattaaaat agtaaaataa aaaaaaaa 1968

```

<210> 5343

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (507)...(300)

<223> similar to gi4699967 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5343

```

gcggccgcag gagaagccgc ggttggcgca ggacgcaggt gctgtagtcg aagcgctcag 60
gctggctggc tcgccgctgg gccagaagcc cgcactgcac aaccgtgttg cccttggaaga 120
gctccaggag tgggtgggca gtggcagggt ccaacttgag aggcctccggg gctggcaaaa 180
ctttccggaa gagccttttc cacacgggtca gcttgatgtc agcctgggtg aggcctggct 240
tgaaggagat ggggctgaat gcgccttcta ggggcccggc ctgcggcatc tctgctctgg 300
aggccatgga gtggaacttc cggatgaact tgtggtggtc ctcatggccg aactgttcca 360
gcacacactc ggcttggggc agccgctccc gggttccctg ggccctgctc agctgcatgt 420
ccaggagggc caccaggcca cgggtgtgac cccctatccc ctccaggcag cgggccttct 480
cctcatccac caggtgggtgc agct 504

```


<210> 5344
 <211> 929
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (9)...(464)
 <223> similar to gi452987 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5344
 gaattccaac agccatcgca ctggactgcg acctgagggc cagccaggcc gcgctcttcg 60
 agaagaacaa ggagctggca gacctgaagc atgtgcatgg ctatctgaag aagcagttcc 120
 aggagaaggt ggcagagctg gcacatgcca accggcgggt ggagcagcac gaggctgagg 180
 tgaagaagct gcggtgctgg gtggaggagc tcaagaagga gctggcccag gctgaggacg 240
 agctggacga ggcccacaac caggcacgta agctgcagcg gtcgctggac gagcagacgg 300
 agcagagcga gaacctgcaa gtgcaactgg agcacctgca gtccaggctc cgcaggcagc 360
 agcagaacgc tccctctctc gggaagatcc gcagtgtctg ctttggcacc gaggaggccg 420
 aggatggaac cagtgcacct gacgaggacg aggacctgca aatccagggtg gcctagagct 480
 tcctgtggct gggcaggatg ggccgccccca tacctgcccc ggggccaggc taaccagcca 540
 ctcaaactga tgcagtgcct aggtcactc tgggaccagt ccctgccaca gccgactttc 600
 ttctctccca gggatggcgt caacagtccc acctaccaac gccctgtgga aaggaagcct 660
 atgttttata tatatatata cacacacgcg cgcgcgcgcg cgcgcgcaca cccagaagtc 720
 tttggaccca tttggtttta taaatacagg acagctccaa ggcccagtc agatgacctc 780
 acccaccag gacttcatgc agggctgggc atgttggggg cagttgttgg agccccaccc 840
 tgggctgcct ctctaggctt cgctgttcat catacaatgc agtgaaccca gttatttgta 900
 ataaatgaag ttcaagttca aaaaaaaaaa 929

<210> 5345
 <211> 2863
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2864)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (2)...(693)
 <223> similar to gi3878629 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5345
 cagctgggtg aaggaggag gcagagttgt ggccgacctg tcttgctgg gagatgagta 60

cattgccgcg	ctgggcgggg	caggagggaa	aggcaaccgc	ttcttcctgg	ccaacaacaa	120
ccgtgcccct	gtgacctgta	cccctggaca	gccaggacag	cagcgagttc	tccacctgga	180
gctcaagacg	gtggccacg	ccggaatggt	gggattcccc	aacgccggga	agtcctcact	240
gctccggggc	atttcaaacg	ccagaccgcg	cgtggcttcc	tacccgttca	ccacctgaa	300
gccccacgtc	gggatcgtcc	actacgaagg	ccacctacaa	atagcagtgg	ccgacatccc	360
cggcatacata	cgaggcgccc	accagaacag	gggtctgggg	tccgccttcc	tcaggcacat	420
cgagcgctgc	cgctttctct	tgttcgtggt	ggatctttct	cagcctgagc	cgtggactca	480
agttgacgat	ttaaaatatg	aactggagat	gtatgaaaag	ggcctgtctg	cgaggcccca	540
cgcaatcgtc	gcaaacaaga	ttgacctccc	tgaagcccaa	gccaatctgt	cccagctccg	600
ggatcacttg	ggacaggagg	tcatcgtgct	gtcggcggtg	accggcgaga	acctggagca	660
gctgctgttg	cacctgaagg	tgctgtatga	cgctacgcg	gaggccgagc	tgggccaggg	720
ccgccagccg	ctcaggtggt	agccacgcca	gagcggggtc	gcctctgggc	ctctgtctga	780
gcaaaccttg	gtgtgaattc	ggtggttttg	aatgcataaa	gtgccttgtg	gacacggggg	840
agttgtggtg	cttctgggtc	tctggggccc	gcctgcttgg	cctgaaatgc	cctcatgttg	900
ggaagcattc	cgtgccccct	acccgcctg	ccctcccgtg	tttacttgca	cctgtcagcc	960
ctgcaccgga	cttgantgag	ccagtttgct	catttggtgct	gattaacacc	cctaataagg	1020
ggtttggggg	ttgcccataa	acgggggttg	ccctgccgct	gactcggttc	tccgccatgc	1080
acgcgtggac	tctcgatga	gctcagcaga	accgcacagc	cagagcccca	ggtcagaagt	1140
gcagaccagg	gttctcagca	cagtgcctgt	cgtgcttcca	tggcttgcta	cggagagaga	1200
cctctggatc	cacactgggg	ctgcgtctgg	cccgttgctc	agcagccctg	cggtaccgca	1260
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ggaagcctca	ggcttcacga	ctgaatgcac	ccaatatccg	acctggctgc	gtgtttctgg	1500
ctgggctgcc	gtgtgcacag	caagttaact	agaggggctg	tgggccatgg	aactgtcagc	1560
gttattctca	gaaggcgggc	gtggcatggg	cagggatatag	tgaggagtgg	aaggagacgt	1620
gtgcctggta	atatggggcg	gaatttccac	tcagctccat	ttgctgggga	tttaaagaga	1680
acccttgctc	tgcgccaggc	agttaccgag	ccgaagggag	atgatgggcc	ttcgcccctc	1740
agtgggatgg	cagctgaggg	ggccctgcac	ttgacctctg	agactgcagc	agcgcctttc	1800
ctgtctgtgg	tttaagtctt	tgagctcaag	tactgatgca	tccaagccag	gcctatgcct	1860
ggtgtctccc	tgactgcaga	ggagccccag	ggcaaggaca	gctcagctgc	tggcagcctg	1920
cctggcccat	agacatcccc	caagtagtct	caggcctctg	acatgtccct	gaggggcccc	1980
taagaaagaa	agtggagggg	acactccaga	ggctgtcgtg	ggaggatcat	gtgagcctgg	2040
gaggtcaagg	ctgcagtgag	ccgtgattgc	accactgcac	tccagcctga	gtgacagagc	2100
gagaccctgt	ctcaaaaaac	aaacaaacaa	acaaacaaaa	acagaacatt	ctgggcacgg	2160
tggctcatgc	ctgtagtccc	agcacttttg	gaggccgagg	ctgggtggatc	acaaggtcag	2220
gagattgaga	ccatcctggc	taacacagtg	aaaccccgtc	tctactaaaa	atacaaaaaa	2280
attagccagg	cgtggtggcg	gtcacctgta	gtcccagcta	ctcgggaggc	tgaagcagga	2340
gaatggcgtg	aacctgggag	gcggagcttg	cagtgaagcc	agatcacacc	actgcactcc	2400
agcctgagcg	acagagcaag	actccatctc	aaaaaaaaaa	aataataata	ataatagcta	2460
aatactggaa	acaaccaata	ttccatcaac	aggagaatga	ataaacaat	tgtggtatag	2520
ctatacaatc	caatactatg	cagcaataaa	aattgaatca	atcactgata	cacataacat	2580
gcaaggatga	agctcaaaaa	cattacactg	aacaaaagag	gccagacaca	acagtatgtc	2640
tgagtccatt	tacatgaaat	tctaggaaaag	gtagaatatc	ctacagtgtg	gagaacacaa	2700
taataagaaa	acaaacaacc	tgatttaaaa	ataggcaaac	caagagtagt	agtgtgtgcc	2760
tgtagtccca	actacttggg	aggctgaggc	gggaggatcc	cctaagccca	ggagctcaag	2820
acctgcctgg	gcaacatagc	aagactctgt	ctcaaaaaaa	aaa		2863

<210> 5346
 <211> 618
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (10)...(616)
 <223> similar to gi5923801 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5346
 gaattcttga aggaaaagga gaaattagaa atggagttag cagcagtgcg gactgcaagt 60
 gaggaccatc ggagacacat cgagatcctg gaccaggctt tgagcaacgc ccaggccagg 120
 gtcatacaagc tggaagagga gttacgagag aagcaagcat atgttgagaa agttgagaag 180
 ctgcagcagg ccctgaccca gctgcagtct gcatgtgaga agcgagaaca gatggagcgg 240
 agactgcgga cttggctgga gagagagctg gatgcactga gaaccagca gaaacatgga 300
 aatggccagc cagccaacat gccggaatac aatgccccag ccctcctgga acttgtgcgg 360
 gagaaggagg agcggatcct ggccctggag gccgacatga caaagtggga gcagaagtac 420
 ctggaggaga gcaccatccg acactttgcc atgaatgccg cagccactgc agcagctgag 480
 agggacacca cgatcatcaa ccactcacgg aatggcagct acggagagag ctgctgagg 540
 gccacatct ggcaagagga ggaggaggtg gtgcaggcca acagaaggtg tcaggacatg 600
 gaatacacta ttaaaaat 618

<210> 5347
 <211> 1356
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1336)...(283)
 <223> similar to gi5689493 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5347
 tttttttttt ttttctcttt aaattatttt attcaagaag tgggggagga cagacaaggg 60
 gactgagctg agccctgagt ccctgaacct cccagctcag cccccacagc aggactggac 120
 tcaaagtcag agggtggaga ctccagcccc acccagacac ggttgggggac agacaggacc 180
 cagggaatac cgactgactg tcctccaggg ggatggcggc cgcagcacac agggcccggc 240
 ccgtggaccg ccggggtggg gctattttggg ggtgccgccc cccttcttgg gagtgggtggg 300
 tttcttgccc tgccagaggt gtccctggat ggtgaaggca tcgacgctca tggacatggt 360
 cttggcgggg atctgggtga agcgtttgcg gtccgagttg tacttgtaga tgccttccac 420
 catggcgggg gtgacgggtcc gggggccata ccctgccagc cgcgacagct cctctgtctc 480
 ccccgacagc gtgtagagcg cccggaactg gcagctcgag tcgcgaaaga ggatcaggaa 540
 gtggttggcc ttgcttttct caatttcctc cagaatgcga ttcttctgcg gttcgttcac 600
 cttgcccggc aggcagcagt gtgatagggc attgtggatg atgaacttgt tggacttggc 660
 gctgggttct ttgtacagcc gtggacctgt gtactcgggc actgacgctg gggaggaggc 720
 attgctgcca ttttccagc cccgttcgag gcttccaggc aggcggcttg gggacatgag 780
 acctgacggg gagggagccc gagacgtggg cctcttcacc ccgaggttat tgtgggcctc 840
 gttggccaca gtggacagtg acaggggtga ctgggaatag attttgctca gccgagagcc 900
 cagcaggccc cgggctgggc ttcgtgccag ggctgagtcg tcacagcaac ccgagcgagg 960

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ccgggtggcc ctccgcccgc cccgacctgg acccccggac cccgcagccc ggggccgcag 1020
caccttatcg aggtcgtcca tcagcttcag ctggggcccg cgctcgtact cctgccgcgt 1080
gaagtcccc ttccgggggc ccgcctcctc ctccgctgga gcccgggcag caggggctgg 1140
agtcgccatc gggactgcgg acacaagcgg ggctggggcc ggggcctcct cttgggccag 1200
cctcgcggcc tectccctcc gctgttcctt ctccacctcc agacacggcc tgcgccgcg 1260
cgctcctgt gctggccgat aaacccgctc aaacaggctg gaccgctttt gggccatctc 1320
gtccgcagggc ttgcgaaatc tccgcgatga tcagaa 1356

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<210> 5348
<211> 2038
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1836)...(833)
<223> similar to gil663698 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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```

<400> 5348
gaagtagatg tgacccacct ggatgtatgg gttttgtatt gggcgccagc aggtccagc 60
cccacctgga gggactgcca ccaggggcac cagcagaggg aagccgtccc aggactgccg 120
gatggaccct gctccaaact cagcctgctc tccttgtgac agcagagcct ttgcaattcc 180
tgagggtcat catggggcag gagacagaca gtccgttagg atctgtggtt gtctcctttt 240
gacaatctca ctgttcttcg tgccctgccct ccaaattcag tagcatgtct caaagcctta 300
catctctcgg caccagaggt tcagtgcatt tccaacctgt gcacctggcc tgtgcaacca 360
ccagcctct tctgggggac tcaactctcc tggtgaggc tctgtctctt ttgtgtctcc 420
aaagctgctg tctcccgacc tggggcagga ggggctgagg atacctctct tgggtaatag 480
tcctctcgg ctgaagcagc tcctgctggg ccaggcgatc acagggcagc ctgggcagag 540
gggctctggc cggcttcac tcccaacctg ctccctccgg tgtctccctc tctcgagcc 600
gggatctgca tggcgtctca tctcgattgc tgtgtgaaaa tcagggtgaaa tgaggcctgg 660
tggggctgtg gattggcacc tggatcttcc attgtcagcc agctgcagtt ttgctcagtt 720
tacgtgggtc aaaaaaacia aaaacaagga tgggtcaaca tcctgtttct ttttcacttt 780
ttaagcttta accactcgag ttgtggatct tggggcctct cttgattagg ggttaccaa 840
caattcatca agctcctgca tccactcgct ccctggcccg cctttgatga tggagtccac 900
aaggtctgca cgtccggga ggccaggga ggaaccccca gctccgtcgc cactgtaatt 960
gtatgacacg tcctgagggg cattccgctc ataggcttgg ctctggctgc ttggagcaaa 1020
gctgccactg ggtatctgct gctgtgctgg gggtggtg aacgctggca tgccctgggac 1080
tcctggctc aggcagaca tgaccattgg cctcgctgg ctgggtgcctt gctgccccgg 1140
gagcgatggc atcatctgc gacccatggc agctgggttg agggctcctca ctgtgcccg 1200
gttagcatcc acgactgact ggctcagtc ctgtgggaag tgctgcttgg tcagtctcgg 1260
ctgccagct tgaagagggg agctggcgcc attgttgaat ggtcccaatt cccactagt 1320
cctccaggc atgcccctgca agctcctctg ttgccagctt tgtgctcctt gctggactgt 1380
tcccataagg ctctgcagcc ttggaggggc ttggggccta ggcaaggcct ggcctactgg 1440
ccctttcatc tgtggatgtt gctgggtaat ggctgagttc accagcatgc tctgacaaa 1500
gccactcacc attccaaccc cctgcccaga ggcagggttc ctcggtccct gggcttgggt 1560
atgtgtgatg ctcatgccac tttgggtttg atgctgcaac atttgggtca tgccctgtgt 1620
catattgtac attcctggtt ggctggtagg cgtgggtgcta taaggggcca gtcccatctc 1680
cgactgcgca gctgcggtgg ccatcgctcc aggggtcttg gagggtccta tcccatcat 1740
gcctgcgttc tgtgccatca gccgtgacgt tcgcatgctc tggagggtg cttggcttct 1800

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tacggctgct	atatacctggg	gagaacctgc	agtgaaaaag	aggacacata	ccactcactc	1860
ttctccataa	gcaatatact	gcaacaagat	gttggaatit	tctttgggaa	tgacaaaatt	1920
cctttatatg	aaaggatcta	ctctgataat	aaatctgtaa	caaaaatgat	tatttttctg	1980
attatagcat	atgctgattg	cgaaaatttt	gaaagtgtta	aaaaatacag	agacaaaa	2038

<210> 5349

<211> 1009

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (188)...(366)

<223> similar to gi338330 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5349

tttttttttt	ttaatagcta	attttttgta	atgaaattac	atgcagatga	ttttttaaca	60
ataaaacatg	ttactatgta	tcagaacaaa	catgggtgta	aattttttta	aatgggtgaaa	120
gctataggaa	ttgactctag	agatacccat	atcaggatgt	gggtgacctg	cctgtctgca	180
tctttgcagg	tcctggaaca	acctgtactg	tgtgctcagg	aacagtgagc	taaccttcta	240
caaggatgcc	aagaacctgg	ccctggggat	gccctaccat	ggggaggaac	ccctggccct	300
gagacatgcc	atctgtgaga	ttgctgcaa	ctacaagaag	aagaagcacg	tctttaagct	360
gaggtgaggc	cttcttgccc	tttgaaagct	cggttgatg	gcttgatttg	gcattagtgg	420
cagggcagag	gccctctgta	ggggaccagt	gccaggcctg	agctgctcct	caggggtttt	480
tcaaatcaaa	gaggctgatg	gtccagactt	tgacctctca	gaaagtgctg	ggctgcctga	540
gaggggtctg	gatgttcggc	tcagggtatt	gtgggatcag	agccagccct	ctgcccagcg	600
ccccctccag	agggtgtctc	atgacaggaa	accctttgtc	ctcctaggct	gagtaatggc	660
agcgagtggc	tcttccatgg	caaggatgag	gtaagcgcg	gcagcctagc	ccagacctgg	720
ctaagaagg	ggtaggtgga	ggaccccagg	cgcttgccc	tggaggcccc	ctcagaagg	780
gcagtcccaa	gagccccac	cattgttgcc	tggcccggga	ggtggggggc	tgtgggcctc	840
cagactccac	cgtgaccctc	cgccccgcag	gaggagatgc	tgtcctggct	gcagggcgctg	900
agcaccgcca	tcaacgagtc	ccagagcatc	cgcgtaagg	cgagagcct	gccccgcct	960
tcctctccg	gccccgacgc	cagcctcgaa	ttccaccacg	ctggactag		1009

<210> 5350

<211> 1077

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (9)...(924)

<223> similar to gi5059425 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

ttttgggtttt	ttttgggtttt	ttttgagacg	gagtctcgct	ctatcgccca	ggctggaatg	960
cactggccttg	atctctgctc	actgcaagct	ccgcctcccg	ggttcacgcc	attctcctgc	1020
ctcagcctcc	cgagtagttg	ggactacagg	cgcccgccac	cacaccagc	taatgttttt	1080
gtatttttag	tagagacggg	gtttcaccag	gttagccagg	atgggtctcg	tctcctgacc	1140
ttgtgatccg	cccgctcgg	cctcccaaag	tgctgggatt	acaggcgtga	gccaccgtgc	1200
ccggcctaca	aatgttaaca	aagcaattac	caatggcctt	tttacaatatt	ttttctttta	1260
tgaggaataa	tatgcatgta	gaaaagacct	acttaaagtc	ttcattttata	ttctttcaaa	1320
tcaaattcttt	atttaataac	ttatatatgt	tggttgaatg	gttacattttt	tgagccctt	1380
tgtattttgt	ggtagtttaa	attgtatcac	ttctaaacag	caaactgttt	ttgtttttta	1440
ttagcagata	tctgaagtac	tattttttgca	gggtttgcac	aggcccgtaa	ctgtctacta	1500
ctttgatata	atctgtatac	atcctgtatg	ctgagctggg	aaaatacatt	gtaaattaca	1560
tattaaatat	tttatctgct	tttacaagcg	caagggtgcaa	aaatatatac	aatagtctca	1620
ttgatgactg	taaagtgaat	taacatttgg	tgattatgcc	tagctttttt	gactaatata	1680
aagatcatag	ctcccccttca	cttctgtctt	aacttgaaca	tggcgtggtt	aaattttcat	1740
acatacttta	cttgaattat	tgctgttgct	acataattttt	gcctctgtga	gttcatctga	1800
tgattgagca	gtagcatttg	ccttttgggt	tttttgtttg	ttattataga	agagatgact	1860
tctgctgatt	ttgctttaga	atggttacct	tagaagaatt	tgggtggctc	atggtgaatt	1920
tcacttctgc	aatagctttc	attttctcat	aggctttata	agagatgggt	tcagtgggtat	1980
gagcagagga	agagatccca	gatagtagcc	agttaaccaa	gactcattca	tatagcacgt	2040
agtttatgtt	cctgaggcag	cactttttaga	tcctttgtga	gcaagttcta	ttt	2093

<210> 5352

<211> 1323

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (78)...(663)

<223> similar to gi531241 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5352

cagtgtggcg	gaattcacag	ggctaggggt	ccaggggtgtg	ggtgcagcag	acagccaccc	60
tggccatatg	catctcgctt	ccacaggcat	tcaccaagga	cttcgagggtg	agccagctct	120
atgactgcaa	ctggatcgtg	gtcaactgct	ccacaccggc	caactacttc	cacgtgctgc	180
gccggcagat	cctgctgccc	ttccgcaagc	cgctgattat	cttcacacct	aaatctctgc	240
tgaggcaccc	agaggccaag	tccagctttg	accaaattgg	atccgggacc	agcttccagc	300
gggtgattcc	tgaagatggg	gccgcagcac	gggcccctga	gcagggtgcag	cggctcatct	360
tctgcacggg	aaagggtgtac	tatgacctgg	tgaaggagcg	gagcagccag	gacctggagg	420
agaaagtggc	catcacgcgc	ctggagcaga	tctctccatt	ccccttcgac	ctgatcaagc	480
aggaggcaga	gaagtaccca	ggtgcggagc	tggcctgggtg	tcaggaggag	cacaagaaca	540
tgggctacta	tgactacatc	agcccacgct	tcatgaccat	cctgaggcgc	gcacggccca	600
tatggtatgt	tggccgggac	ccagcggctg	caccagccac	aggaaacagg	aacactcacc	660
tgggtgtcact	gaagaagttt	ctggatactg	ccttcaatct	ccaggccttt	gagggcaaga	720
catttttagag	ctgggcaaaa	cctgtgtagg	tctcgctgtg	ggtttgctgg	ggaccaaggg	780
ggtgatgaaa	aggggagggg	cggagctcct	gcccaagaga	ggggctgtgg	ggccccagga	840
taaaacagac	acagtgcag	ggccaagagc	cagcactgct	ggccttggtg	tcatgccaga	900
atctaccagg	actgagggag	ccagaggagt	cctgtaggca	ggctactgtg	ctggagcatc	960
ccccagctgc	tcccatcttg	ctggaatttc	ttgggcggct	tctccacctg	tatctcaaga	1020

cagacacccg	ggggcctgtg	tctgtggccg	ctcccatccc	ggcagccctg	gctgctgctc	1080
gccccaccct	cgcttatctg	tagattcaaa	gcgatgttct	cttctgtgct	cttagaagta	1140
gggagttcag	cagtaacagc	caggtgaagc	gaacctgctg	ggtgatttgt	ttgcgctctg	1200
ttttatgggg	cattcctgcg	agatgtgtca	gcttctgtgt	gaaatgcagc	cacagctcat	1260
gtgtaccaaa	gtagaaaacc	aaatcacaga	gaaataaaaa	catgcttcag	agagaaaaaa	1320
aaa						1323

<210> 5353
 <211> 1158
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(483)
 <223> similar to gi2853081 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5353						
tttgagagag	ccttatggta	atgtcggcca	ttgagaaatt	gttgaggcag	gtagattggg	60
gtcaactgga	ctacttagtt	gtagacatgc	caccaggaac	tggagatgtg	cagttatcag	120
tctcacagaa	tattcctata	acaggtgctg	tgattgtctc	cacgccccag	gacatcgcat	180
tgatggatgc	acacaagggt	gctgagatgt	ttcgcagagt	ccacgtgccc	gtccttggcc	240
ttgtccaaaa	catgagtgtt	ttccagtgtc	caaaatgtaa	acacaaaact	catatttttg	300
gtgctgatgg	tgcaaggaaa	ctagcacaga	cccttgggtct	tgaagttcta	ggagacattc	360
ccttacacct	taatataagg	gaagcttcag	atacaggcca	gccaattgtg	ttttcacagc	420
ctgaaagtga	tgaggccaaa	gcttacttga	ggattgctgt	ggaagtggta	agaagattgc	480
catcaccttc	agaatgattc	cccaagtgtc	ctggaaattt	gcctgggtact	gacattaaga	540
ggaccttttg	aaatcagcaa	tgtgggtgatg	gaacctacag	aaataataga	aatcataact	600
gttttatctc	taaggaaaga	atgtcttcat	atttgacttg	ctaagctaag	gttcacaaaa	660
ctttgatgta	tcaatgttaa	ctgctatatt	taggaatttt	ttgaaagctg	gtgtgtacca	720
cctgcaaaga	actgcatttt	attttattga	attaccctt	tagaaatcat	gagtttatga	780
tgttacaagt	ccattttggg	agagaactgt	acactttttg	caggaccaca	gaattagtaa	840
tttaaagtga	atactaaatt	tgtgtatggg	cataagtatt	acgccttccc	accaggcaat	900
ttggactgtc	tttgaatcct	gtcttttgga	ctgtcttggg	catgttctta	atatgaacct	960
ctgcttcttc	atctggatca	cactataccc	caaacttaat	gaatttcagt	ctccaggagt	1020
ggagcctgaa	catatgtatt	tttagtaaga	ccatgatgat	gttgatgatg	attctggtaa	1080
tcatggcagt	aagaataata	gctaacattt	aacaagttaa	ttataattgt	tcttccattt	1140
gtgtgagcgg	gtactatt					1158

<210> 5354
 <211> 795
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (3)...(459)
 <223> similar to gi825671 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5354
 cagggccagt gcatattagt ggacagcact tagtagctgt ggaggaagat gcagagtcag 60
 aagatgaaga ggaggaggat gtgaaactct taagtatatc tggaaagcgg tctgcccctg 120
 gaggtggtag caaggttcca cagaaaaaag taaaacttgc tgctgatgaa gatgatgacg 180
 atgatgatga agaggatgat gatgaagatg atgatgatga tgattttgat gatgaggaag 240
 ctgaagaaaa agcgccagtg aagaaatcta tacgagatac tccagccaaa aatgcacaaa 300
 agtcaaatca gaatggaaaa gactcaaaac catcatcaac accaagatca aaaggacaag 360
 aatccttcaa gaaacaggaa aaaactccta aaacacccaaa aggacctagt tctgtagaag 420
 acattaaagc aaaaatgcaa gcaagtatag aaaaagcgcgca ttgaacagtc ctgggcacta 480
 catgtaaatt aagcccaaag atggggagaa aggaaaagga gagacaaata tagtccatac 540
 tgagtgtcat caacaatcca gactgaagtc ttctatttta atctcaatcc ccttttctga 600
 tttgccacc atgcctcttc aggctggaaa caatctcttg gttccctaaa gcactttctt 660
 ctgactgctg tgattcagtg aaccttgccc tttgctttct attacttggt catttgctc 720
 acctgacaat gttttaaatc gcctttgtat ctcccttagct gctcaataaa tatttgaatg 780
 catcaattaa aaaag 795

<210> 5355
 <211> 1119
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1122)...(963)
 <223> similar to gi516012 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5355
 tttttttttt ttgtgtgaac aagccttcat tgtgcaagcg tgagcccaac aaacaaacac 60
 caggtctgcg ctggccgaag acgaagcgtc ctccctggag gtgggaacaa gtcacctctg 120
 accacacctc ctctgacgcc atcacctcct cctggcccca cccaagggtc cgacacaagc 180
 cccaaggctc gggggagagg ggcggggcgg aaccgagggc ggaggccaag gtgggattcc 240
 aggaaggcct tccgaaggat ggaggtgggt cctgtccctc caggtagctt gtgggtgtgg 300
 acagcaggac ttgctggctc agtgtgggca caaggacact gtgccactgg ttgagtgaag 360
 ggtgagggat tggaggtggc tcccagaggc ctccatctgc atggccctgg ccctgtggct 420
 ccagcaggct gccctggctg tgggtagccc aggagccaca tgcgcttagt ggggcccgtc 480
 tggggcaggg gctctcacag gacagcatga gccactgagc cgcttgaggg gggccaggcc 540
 aggcggggag ctgtggtgca atttgtcctt gtccctggag gtctgtgggc ggaagctgtg 600
 ggcacagggt gacatggctg tcagacgtgg ggtcataggc tcccactccc cagctcctgc 660
 ctctcacag acagaagcca cggccaagga gaggagagac atgggggaagg cagagatgag 720
 ggaacaggaa gggagaaggc aatgaggaaa gagaaaggga gggtaagatg cggagggcac 780
 aggtggatgg ggacgagggg gccaaagcat gacagcggga ggggagaagg cggagggggc 840

gagaggcagc	tgcgcaagag	ggccttcagg	cagagttgag	gtctgtggcc	ttgggctggg	900
ccttgcgggg	ggtcagctcc	gacagcttct	tcagccgctt	cttcagctcc	agcgggaact	960
tctcgtagca	cctcttacac	acgggcttca	tgtcgaaactc	cacaaacttg	ttcttcaggg	1020
tgagcttgct	gttgcagggtg	gagcaggaga	agcagctcac	acaccaggcc	ttgttgaggg	1080
ccgacaccac	atcgccctca	atcacatggc	tgcagttgt			1119

```

<210> 5356
<211> 1376
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(534)
<223> similar to gil403547 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

004438752289460

<400> 5356						
tttcgtctgc	tggcgctcgt	ggccttcagc	acgttaatgc	tcaaacgctt	cagagaacca	60
aagcatgaaa	gacgtccgtg	gaggatatgg	tttttagaca	cttccaaaca	agccatagga	120
atgctgttca	tccactttgc	aaatgtatac	ctagcagatc	tactgaaga	ggacccttgt	180
tcactgtacc	tcacaaactt	cctcctggac	gccactgtgg	gcatgctgct	catctacgtg	240
gggggtgcgc	ccgtcagcgt	cctggtagag	tggcagcagt	gggagtcctt	gcgcttcggc	300
gaatatggag	accctctgca	gtgtggagcc	tgggtcgggc	agtgcgctct	ttacatcgtg	360
atcatgattt	ttgaaaagtc	tgtcgtcttc	atcgtcctcc	taataactca	gtggaaaaag	420
gtggccctgt	tgaatcccat	tgaaaaccca	gacttgaagc	tggccatcgt	catgctgac	480
gtccccctct	ttgtcaacgc	tttgatgttt	tgggtagtgg	acaatttctt	catgagaaag	540
gggaagacga	aagctaagct	agaagaaagg	ggagccaacc	aggactcgag	gaatgggagc	600
aagggtccgt	accggagggc	cgcacccac	gaggagtctg	agtctgagat	cctgatctca	660
gcggatgatg	agatggagga	gtccgacgtg	gaggaggacc	tccgcagact	gacccccctc	720
aagcctgtga	agaaaaagaa	gcaccgcttt	gggctacccg	tatgacacat	tcccatgctg	780
gggggtgacg	gagggccccg	ccaaccgctg	gtgtgcagag	gtcatcccg	agcatcggtc	840
cttaccctct	ctctgccttt	cctttctacc	tctgctcttc	ttgctgtctc	tgcccgtctc	900
cgccctgccc	cagactactg	tgacttaaaa	agagggaaga	ggagccagcg	cccagggggg	960
ccactggcgg	ctggagggtc	ccattcagtt	gcactacaaa	cactgaccaa	atatgcaagg	1020
aaggagctgt	gtttgtttgt	tgtcgtccca	gacagtgttg	tgagggacct	gaggccctgc	1080
cccggtgtcc	accaccgagt	ggcaagggtg	aaggaagcac	aggcacacag	accgtgggtg	1140
ggtctctcca	ccgtggctgt	gggcagtgcg	aacacataac	accctcgggc	taaaagtga	1200
tcgttgacca	agtttgaacc	ggaatgcttt	cttactcaaa	atggcttttg	taactattga	1260
tttctgaagc	tggttttatg	agttgtgaca	gtgttaccag	gttgggggta	tgtgtttatt	1320
tcctacaaag	tacttacggg	actaatgggc	aaaacagaga	tttttaagtc	ttccgt	1376

```

<210> 5357
<211> 957
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (959)...(383)
 <223> similar to gill136412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5357

ctgccagtga	agcccaggct	gcttttttcag	actgtgtgta	gcaccaagaa	cgcttccttc	60
acacgatctt	caggatcgag	cgggctgact	gggagtgtct	gcctcagtcc	cacgtggcac	120
ttggaaaaaa	cagagcgagg	ccccccaag	aggcagcgcc	cacccggccg	ccgtgctccc	180
ccaacttggg	gacgtctggc	cttggacagc	tgggcccgtc	tctcaccacc	cacctcagag	240
gcaaaaaagg	attcacaccc	agatctctag	aaaaatgata	aaaagcaggt	ttcttctcac	300
agccaagctt	cctggacatg	gcagttcatt	acatctcggg	aaaacgtaaa	tcatttcttc	360
agctgtcaat	actgtgtccc	tcacatcctt	gagcctcggt	cttgcaaaat	cttggccttc	420
tcgctgggct	cgctggccgt	accgtacggg	gtgtttgtgca	gctccttgga	caccacacag	480
aggaactcgg	cttgggtcttc	gttcccatag	ttgtaagagg	agccgatgct	gaccaactgc	540
tcgaacttcc	agccgtcgga	catggtggac	accatctgcg	tgagctcctc	ctcctggcac	600
tgcagcacac	ggtacacatg	cttcacaggc	acctgcgatg	ttttgctgtc	tcgttctcta	660
attttgtcct	ttacaagttt	tattaatgag	gtgatattgt	aaaattctgc	ttcctccaac	720
actccttcct	ccgcgaggtc	tttggttaatc	accagcttgc	cgtgtctcag	gtagtccagc	780
acaggcccaa	agtaggtggg	gtctctgtcg	attaaatagg	cgcctgtttc	atccttgtct	840
gagtccagg	cgggatcggc	ctggcataag	cggtagcagga	aggatttcgg	gtcccggcac	900
agggtctgcc	gagtggtag	gaagtaggtg	ccgccgacgt	tgagtcggac	ccacttg	957

<210> 5358
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(521)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2)...(96)
 <223> similar to gi5912261 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5358

ctcagagtgt	aagggcaaac	aatatgtcaa	aaggacatgg	tataaaaaat	ttgtaggagt	60
gcagctgtgc	aactctctca	gatacaagat	tttctgtgag	ggagtcgctg	gctatgagtc	120
attaaatatg	catgataata	tttttgaaac	gatgagttat	caagacactc	attaaattgt	180
ataactaatt	ttttagtata	tatcctttgc	agttaaccag	tgattattat	atatcaatat	240
tgcctacttt	ttgtggaaga	ttttaggatc	cttttgtgtg	ttggtcatta	tctctattaa	300

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (900)...(770)
 <223> similar to gi2707600 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5360

tccggaattc	ccgggtcgag	cctgcatccg	agtagcgggt	ctcgaagcag	ctggggcatt	60
aggggcttcc	cccaggcagg	gcatatcgtc	ccccgcccag	aggcccggcg	cagtcctggc	120
aacagaagtg	gttctcatgc	cagcgctgtc	cctccgcctc	ggtgcagcgc	caggagaaga	180
tcagctggga	gagggagagg	gagaggggaa	cgcttcattc	attcattccc	tcattcattc	240
atccagtaac	cacgcctttt	accaggttaa	cgctaaagca	cgtctgcaca	cattcccatt	300
taattcactc	agccactttt	ggacgcaggg	aggactgatt	ggcttaacca	ggatcccagc	360
tagcaagtgg	gacaatcccc	agtgcgacct	gggggtctgg	actccaacc	cagggtcca	420
ggcttccttt	tatgctgaca	tcaagggaat	ttctagcatg	atgaggcaca	gcactgggca	480
ctcggcatct	actgagatga	gcatgtgtcc	aagactccct	gctctataga	aattcgatga	540
gtccaggaac	atttgaggga	ctctgcagtg	ggggaggcca	gagagaaggg	cactgggtcc	600
tacatgcccc	gagctcaagt	cagaacacag	ggaacttggt	agtcccaggc	tggttcctac	660
ttctccccac	tccctgatac	tgggagaaac	tgtggcccag	gagagtgtcc	ctttgtatcc	720
tgccactctg	gactctgggc	agacccccag	ttcctcccct	ccaggctgta	cctggtcaca	780
agccgggcag	cgccggcgca	gcaactctgc	atgatgacgg	ccgcagtaga	gttgtccatc	840
atggtagaag	tagatgaggt	ttatcagggc	ctggccacag	gcctggcagg	caaagcaagg	900
ctgg						904

<210> 5361
 <211> 988
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (20)...(279)
 <223> similar to gi3688089 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5361

cgctcacct	tccctaccac	cagccggggc	cattgacacc	cgggacacag	ggtcctctga	60
gcctcagcca	ccaccggagc	cgctcggtc	agggccacca	ctgcccacag	gcctgaagcc	120
cgagttcgcc	ctggcactgc	cccctgagcc	gccccgggg	cctgaggtca	aggggggcag	180
ctgcggcctg	gagcacgaac	tgagctgctc	caagaacgag	aaggagctcg	aggagctgct	240
tctggaagcc	agtcaggaat	ccgggcagga	gacactgtga	cacttttagtt	ccctttttcc	300
ggtcgggtctg	cgatgagctg	aggccagagc	catgagaatc	tgctcacctt	ccccccagcc	360
ttcctgaggc	ccaggatgcc	aggggtgggg	gccattctgg	ggccccctc	ccccacagc	420
aacactacaa	ggggtgcagg	agctacaggg	agtggccctc	cgcgcgtagc	tcaagcactt	480

<210> 5363
 <211> 1160
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1159)...(740)
 <223> similar to gi4150892 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5363
 gctgcgcgga cgtcttttatt tttccccggg tggggagcag gatacacagc ccacactgca 60
 gtcacttagc ttgtaaaaat atctcaataa ataaaaacaa caagcaacat atacactgaa 120
 cagagaatat tttttttaa atggctagcc aagcaatcac ggagaaagga aaagaatagc 180
 ggcgtgaaag taagaattcc aggcctgactt gaaacaatca tgcagaggct cgggggaggg 240
 gaaggaaactc ggggggcctc ttctgagagc cttgggtccag tttcaacaga attgtacaag 300
 aatgcattttc tgtttttatta aaaaaataga cattaataaaa ggcacttaga gggaaatata 360
 aattcaaaaat ccaaatacctc ataaatgtgt tcctggaatc tagacatttt cagaaagaat 420
 aaacctcccc ccaaacataa gacccagaag aaaaatccaa acagaaacaa gatgaccgat 480
 gacaatgtca ccagcaagag ggctgggagt gcccttccta tgtggggacc gtcctggggg 540
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<210> 5364
 <211> 6277
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(6278)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (290)...(5310)
 <223> similar to gil200235 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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cagaccccc	gttctctcct	ctttagtgtg	atgagttttt	ctttgttcat	ggaatgtttt	6240
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<210> 5365
 <211> 566
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (9)...(455)
 <223> similar to gil310709 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 tgtccattga agggcgctcc aatgcgggaa aatgaacctc tccccagac caggactggg 480
 gctttacccc agagcctcgc ctgcgcccg tgagcaggca gaggatttgc acacgcccga 540
 gcaaggaatg ggctttctgg cagtgg 566

<210> 5366
 <211> 902
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(739)
 <223> similar to gi908805 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5366
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 gttccaggag ctgcagctag cagccggccg gcatggggat gacctgaaac acaccaaaaa 240
 tgagatctca gagctgaccc gtctcatcca aagactgcgc tcggagattg agagtgtgaa 300
 gaagcagtgt gccaacctgg agacggccat cgctgacgcc gagcagcggg gggactgtgc 360
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 ggagctggca cggatgctgc gcgagtacca agagcttttg agcgtcaagc tggccctgga 480
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 atataccaac tccgtgagca ttccggtcat caacagctcc atggccggga tggcaggcac 600
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cgggggctac	agcatgctgc	ctgggggctg	tgtcactggc	agtgggaact	gtagcccccg	720
tggggaagcc	aggaccaggc	tggggagtgc	aagtgaattc	agggactccc	agggaaagac	780
cttagctcta	agctcaccca	ccaaaaaaac	catgagataa	aagtgcaaca	cagcccattt	840
cccagtagtc	tgccttgccc	tggcagactg	ctccggactc	ttctaggaaa	ttcctctgtc	900
tc						902

<210> 5367
 <211> 1762
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1763)...(538)
 <223> similar to gi34073 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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tgctgccggg	tgttgagaaa	gtagtttttg	ttctgatgta	aatggataat	accaggatct	180
agtggggaga	tggcatttga	ctgggaaggg	acatatgtga	ccccataat	ttctggagat	240
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agtccctgtc	ccagcacaga	agatcatcct	ggggcagaga	gagcccatgg	gatagtggag	420
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<210> 5368
 <211> 1935
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (29)...(1271)
 <223> similar to gi3645954 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 agagggtgatt tgcaagtgc tgggggaagc agatccatcc attcagcttc atggagcaaa 180
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 tttcacagag ggctcaaccc acctttggag tgactcccat agcactggcc atggtcaggg 1740
 ttgttggaac atctgacctg tgcattccag gagccgagga gtcaggttgt aataccaggc 1800
 caagcagacg ggctttgagg gcatttagtc tcagaaaaaa aaaaatgtag aaggatttcg 1860
 gaattagaat tttgtgtatt gtatctgtag ttttgaata aactaacgaa aaatagtgtg 1920
 tccccaaaaa aaaaa 1935

<210> 5369

```

<211> 1293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(418)
<223> similar to gi3941728 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5369
ggctttggga ggggagccct gatccgcctg aatatctggc cggcggttca aggggcctgc      60
aaacagctgg aggtctgtga gcaactgcgtg gagggagaca gagcgcgcaa tctctccagc     120
tgcattgtgg agcagtgccg gccagaggag ccaggacact gtgtggccca atctgaggtg     180
gtcaaggaa gttgctccat ctacaaccgc tcagaggcat gtccagctgc tcaccaccac     240
cccacctatg aaccgaagac agtcacaaca gggagccccc cagtccttga ggcccacagc     300
cctggatttg acggggccag ctttatcgga ggtgtcgtgc tgggtgtgag cctacaggcg     360
gtggctttct ttgtgctgca cttcctcaag gccaaaggaca gcacctacca gacgctgtga     420
gtacctggcc agcagcaagt acctgagtc cagctcacct cctggttcct gccccaccgt     480
tccccttcag taccagggt gctgtcttct ccatgggcaa gccctcagga cggtgacagc     540
gtgctccatg tgagccacac cccttttgtc tcctccagtt ggggtgtttc ctttgtcaga     600
tggtggctgg gaccaggact cagcctgggc cagtctagga gccagctga gccctcctgt     660
gtcttttccc ttcattgctgc cagcaggga gagaaaccagt aggtgccagc ccaggcaagc     720
ctgtggcccc cgtttctgtg gctgtgggca ggagctgggc cttgtgtcta gttgggtttt     780
gctctgagaa ggggagctgt gcctgaggcc ctctgtgtgc cgtgtgtgct gtggggcggg     840
tcgccacagc ctgtgttaaa gtgtttgctc ttcctctgct gcctcctctc gaggcagggg     900
gtccttggct ggctgaggca gtgtcacctt cctgagtgtc ctctttggcc tctgcagaat     960
ctgacccctt tgggcctgga ctccatcctg aggggaaagg aggatgcaga ggggtgcctc    1020
tgggcaccct tgtgggtaag cggggggcgg gggcgggaaa aactctggcc gccagtttt    1080
ggctcctgcg ggcaccaagc agggcaagtg tttaatgcct gacatctcct cctgtcctgg    1140
gcctggaacc tgcagctgag aaaatccctc aaccacctcg tctcctccat cggccctgct    1200
gggcccccca gccctgacag tgggttgtat gcctgcctct ttccaccaac tggcctgggc    1260
actgccccca aataaaggaa ctctgcactg caa                                1293

```

```

<210> 5370
<211> 1890
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1892)...(740)
<223> similar to gil595868 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5370
tttttttttt ttggtaaaat agctttatcc tctgtcagaa cacaacaaa caaactttga      60

```

gaggggagga	aggaaaccgt	ctagctcagg	gctcacttag	gagagggatg	agattagaaa	120
gttcaacaca	ctgcttgtgc	agctggagat	aaagtcaaga	ccctagcacc	cacttataaa	180
tatctcgtta	tattaaaaaa	aaaaaaaaatg	tccagggccc	acctggctct	gctcctgcac	240
agaaaggggt	catcttcaact	ttgtgatctc	acaggtcatg	gagtgagggt	ggtagagagg	300
ggcagaaatt	tcagggggag	gggtggctgg	gaaaaagtaa	aggggacaag	ccaatgtgta	360
actagcgctc	tccaagacat	gcagaggagt	gggggtggcc	tgtcaggggc	tgaaaagaaa	420
agccagtgtc	gtacctgggg	ggttgtctca	ctcctgtccc	cacaatccct	gatactccgg	480
agtgatctgt	cctttcagac	acccactgtg	aggtcccaat	atcgggggtt	atcctttcct	540
cagtcccagc	ctgttcagct	ctccaaccaa	gttttggggg	cccctcta	gggggggatg	600
gccccagttg	cttaggcctc	tgaggtcaac	ccctttacat	cacagccctc	tccccaaata	660
agaagcatga	ggtgagctgg	aggaccctcc	ctgggaggag	ggtgttctgg	ggggtgagcc	720
agtgttgggg	tcccccttca	gtccctgacc	aggcggtaaa	tgtgatgctg	ggccccacgc	780
tcgctgggtg	agacctcgaa	gacataggcg	gtgcagagca	gcagttcctg	ggtgtctctg	840
tttgtcacca	cctggaggat	ggtgaaagttt	tccaggacgc	tgttcatcat	gtatcgctca	900
ggcagctgcc	gcaacttgtg	caagaagttc	accaggta	cgcacatggg	cgagcgagc	960
aggcggtaga	caaatctgcc	gtcctccagc	tggggccgtt	ccgtctccac	cttctccacc	1020
acctgcttgc	caaaagagca	gaccttggag	gaacagggtg	gggtcatgtg	ttccaggctc	1080
tcatactggc	tgctcactcc	gtagaagcca	ccactgctga	tgctgccacc	ggccccctgcc	1140
tcctcaccac	ttggggccca	gttcagggtc	gcccagaact	tgaccaggaa	gaaggcatgg	1200
ggggggccac	gatcatatag	ctctcgagg	ccaccctttt	tctcagggaa	tttgtcgtag	1260
atctgccgga	cgtccacact	ctcgagcggc	ggcgctccgg	ggctggggca	gtgctggctg	1320
atgtgcacga	acaggtgcct	ctggtaagaa	tcaactgcat	ctggcgggtt	cacgaaggct	1380
gagaactcta	ccagctgcaa	ccgggcggtg	cccaggcccc	gagcctgcca	ggctgggggc	1440
gatggggtag	gtgggggag	gggtgagagg	gcttgggggg	gctcgtagcc	tgggaggtca	1500
gtagatgggg	gagtcagtga	caagggtgaa	ggtgtctgtg	agaatggctt	cacatctgga	1560
acattccagg	ggggccagga	tcctccagac	caaaactgga	aaagctcaga	ggcctggacc	1620
acctgaggac	cagtgggacc	cagtttggcc	tgagagaaag	gcgcggagat	gagctgggca	1680
gaggacatgg	ttgccattgt	ctggaaagcc	ttgtccttgg	aaacctggtc	cacgttcaga	1740
gccttcaact	tggactggat	ttcccttgat	ttccttcggg	ccaaaccctg	gatgtgacta	1800
gaaacctggt	ttcgagttcg	ggtcttcccc	gttctcagct	tgatgtagcg	ggcgatcagt	1860
tcattccgac	catacatctt	gccttcatca				1890

<210> 5371
 <211> 1046
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1047)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (696)...(220)
 <223> similar to gill176422 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5371
 gggctcagac aggtctgacc agtctttaat gggcaggcag gtgcccagg cagcctccag 60

catgagggcgg	gacagggcatt	gcccggaggt	cctctgggtg	gggagggcat	gctcgggtgct	120
tgctgccagc	tggagccagg	gctgagggcg	gcagggatcc	ctggccctca	cggccaccct	180
gggtgcttca	aggatgaggg	cggagctggc	ttcactgggg	cacagggctg	ggggcagcct	240
ccagtcttgc	cctgctgggc	ctttcggctc	cagttgagga	ggggccgggg	actggccccc	300
gtggatgccg	gggtcttgca	accatgctcc	ctctggctcc	ttagaagccc	cctggggccc	360
agcaggacgg	gccggcgggc	ccccaaagctg	ggcagtctag	agctgggcag	cagcgacacc	420
acctgcaggc	tggcgcccg	ctctcccgc	gccttcagct	ccgtcaccac	ctccgcgtgt	480
ctccaccacc	tgcattggtg	cccattcact	gacacaatgt	agtcgccctc	cttcaggcca	540
gccgccgcgg	cctggctccc	tggaatgacg	gcagcgatga	ggacaggcga	gtctccccga	600
agcgtgaggg	caaagccggc	ctctcctcgg	gtcaggtgga	cgggccccac	cagccgccac	660
cggttcttgg	ctgagaacac	agacaggggc	ccctggcagg	ggctcagagg	tcagaggccc	720
agctggggcca	cacactgagg	agacccccacc	tgactagcac	atccatccaa	cctgtgcacc	780
gagggacacc	gtgggggttc	acaagggtggg	tggggagggc	tggaccacca	tcaatggcct	840
gtctgagggc	atgtgctggg	cagagccaca	cagcccaagc	tgcccatgct	gggcgggtgc	900
tggggacggg	tgtgctcacc	agccgatgga	agatgtcagg	ccccttcccc	tgggacaggc	960
gtggcatcct	ggcctctggn	nttcnccgc	nctggcgag	tggactcagg	tttttcaatt	1020
gngggggng	ccctggaacc	ataaca				1046

<210> 5372
 <211> 1020
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (437)...(839)
 <223> similar to gi3868778 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5372						
agctgtgtaa	aatatattgtt	gtgcttggtt	agaattgaat	tgtaatgttc	taaagcgagc	60
aattatttct	taccatggaa	gctgccaaac	ctctaatact	tctatacttt	gccagtgtgt	120
ctaaattgca	ggagatattg	gtaccctaag	cagaacagac	acaaccttct	cagacacagg	180
aggatgaccc	tgtttctaaa	tagctgcaca	gtctagttct	ctctcctggt	tactcgttgt	240
tagtttagtt	gtctaagact	atgcgcttgc	tgaggacagt	cattttttgaa	ttctccagcc	300
cctatcgag	tgtctggcat	gtgatgagag	aacaggaata	tttgttgaaa	agtgaataatg	360
catattccat	cccattcctgc	cccctttcct	ccctctccct	ccttcttccct	accctcacac	420
taacctttgg	gttttgcttt	ctaggcaaag	caggaaaaat	gccagctcgg	tctcccagga	480
ctcttgggag	cagaactact	cccctgggga	aggcttccag	agtgccaaag	agaaccccag	540
gtactccagc	taccaaggct	ccaggaacgg	ctacctggga	ggacatggct	tcaacgccag	600
ggtcatgctg	gaaactcagg	agctccttcg	ccaggaacag	aggcgggaagg	agcagcagat	660
gaagaagcag	cctccttcgg	aggggcccag	caactatgac	tcgtataaga	aagtccagga	720
cccagttac	gccccctcca	aggggcccct	cgggcaagat	gtgccccct	ccccttctca	780
ggttgcgagg	ctgaacagac	ttcagactcc	tgagaaaggg	aggcccttct	attcctgagc	840
acgcaaataa	cggatgcttc	atgtcgcgca	ataaaagaca	ttttcctatg	aagacttgta	900
ttttgggagt	ttttttaaaa	cctcgatggt	actatggagt	atctctgttg	ttggtatcag	960
tgcccttaag	cggtgtaggc	aaagaaatgg	aaggccttaa	tgtctttgcc	actatgtctc	1020

<210> 5373
 <211> 1476
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(576)
 <223> similar to gi4164385 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5373
 agggaggagc cctcacagac atcgtctccc aagtcaggct gaatgaggag cagattgccca 60
 ctgtgtgtga ggctgtgtcg caggccctgg cctacctgca tgctcagggt gtcattccacc 120
 gggacatcaa gactgactcc atcctgctga ccctcgatgg cagggtgaag ctctcggact 180
 tcggattctg tgctcagatc agcaaagacg tccctaagag gaagtccttg gtgggaaccc 240
 cctactggat ggctcctgaa gtgatctcca ggtctttgta tgccactgag gtggatatct 300
 ggtctctggg catcatggtg attgagatgg tagatgggga gccaccgtac ttcagtact 360
 cccagtgca agccatgaag aggctccggg acagccccc acccaagctg aaaaactctc 420
 acaaggtctc cccagtgctg cgagacttcc tggagcggat gctgggtgcgg gaccccccaag 480
 agagagccac agcccaggag ctccctagacc accccttcct gctgcagaca gggctacctg 540
 agtgcctggt gcccctgatc cagctctacc gaaagcagac ctccacctgc tgagcccacc 600
 ccaagtatgc ctgccacctc cgcccacagg cagggcacac tgggcagcca gcctgccggc 660
 aggacttgcc tgccctctcc tctcagtatt ctctccaaag attgaaatgt gaagccccag 720
 cccaccctc tgcccttcag cctactgggc caggccggac ctgccccctc agtgtctctc 780
 cctcccgagt ccccgatgg agacccttt ctacaggatg accccttgat atttgacag 840
 ggatatttct aagaaacgca gaggccagcg ttctggcct ctgcagcca cacagtagaa 900
 aaggctgctg tggtttttta aaggcagttg tccactagtg tcctaggcca ctgcagagg 960
 cagactgctg gtctccacag atacctgctg ttctcagctc cagcttcaaa cctcgagtct 1020
 cgagagggcc acgggtggt ttttatgacc ggaatccgc ttccctccctc acgtctgatg 1080
 tcctgaagggt gcagtccac ctgtacagcc cctccccgcc aagaactgtg aatggcctgc 1140
 tccaggccat ggctgggggc agggagttag gggacaattt ctgagtgaag gagaaagaat 1200
 ggggtcgggtg gtgaagggtg tctcacttta cagaatggag agaacatcgt gtgtgtgtgt 1260
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtaagg ggaggaaagc caccttgaga 1320
 gtccagggtc ctataggtca cccacagaca gtttgaggag ggctgcctct ctctccact 1380
 aatttctggc ctgaagggtg ctgctttatt ggtgtgtctt ccacctctac actcgtgtgt 1440
 atacctggcg agtggagtgg tccacgctat gtctca 1476

<210> 5374
 <211> 1687
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1683)...(1055)
 <223> similar to gi2739433 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters


```

<400> 5374
gcggccgcat ctggctcctc cagggattcg gcggcggggc tgccaggctg aggctcggcg      60
tcgcggtcct cgggagggcc cctctctgct ccagggtgcac tcatttcacg cgtcgagcct      120
ttcagtttgt tgctaagcct gaaggtctct aagattttgt cttctgggag agacagcaaa      180
ggagcaggca tcaactttcc aggaagaccg tttgccttag caaagggatt ttctgagtgc      240
agggcaggct ggccttgga gctgggcacc atcaggcgct aggccgtttt ctttcggggtc      300
actgtcgctg tctgcactat tagcaccgtt tagggtcagt ggttcttgaa gctcgtgcgg      360
agtggcctcc tcatcttcgg catcttggcc gggagagtgg gagctcacia tcgtaccaat      420
cccattctcc ttgcccagcc cctttgactc ctgctcagag tcctcagagg actcggcgcc      480
atagggcacc agcacgctgg agttcagctt ggatttgcca ttcacacagg gctgggagca      540
ggattcactg cgggggatcg gttttgttac tttactagaa actgacatcg tagatgcgtt      600
cgaggtagac tgtactgcag aattggtaat ggtagaaaag ggaacgggct tggtagggtt      660
ctccaaagaa ttactatgaa ggtagggtt agactgacac tggcgaacag gcaacttggt      720
gtgaatactg attgtaattt tttgtttctt aggatgttct gggatcactg aggacctatt      780
aactgaccag ttttggaacag aagctgaagc attaacagga ctagccctgt tgacactgga      840
attcccgtaa ggactcgaca tggaaactgct tggcgtgtct ttcaatggtc cagtccatt      900
taagttaggt ggattcttta tcatgtgaga ggaagctgt ggtccgataa agcctggcgc      960
agcctgtttg ttggtgacaa cccgctgact gatgacgggg cggggagagg actggccggg     1020
gctatgggtg ggatgagtaa gtacacctcc atttttcaca tcatgggacc tgatataaaa     1080
gagcacatag gcttgttggc tgagtaccga tctaataatca ctggtagata caatggagtc     1140
attcatttga taccagaggc cattgctagc ttttatgtag cagaagtaat ggccagcatg     1200
gcaattaaaa ccagtgtgga ccagcactgc atacaagacg tagacaattg gctctccgtt     1260
gggttgagac atatatggcc gaatatcaag atactcaggg tatttcacat ccttagcaat     1320
ttttccaccg gtaaaatttg caaaacgttt cagagaaagt gtaagaacat tagaggatct     1380
atggatagtg aacctctttg aagctggaac catcttttta cacttgctgc acttgtagca     1440
gttttctcca tcaagctgtt ccggcttcac aaactgctcc aatgccttgt tgacactctg     1500
agcagccttt atctccaatg ttatatcaag atatggatca aaagtatctg aaacgccctt     1560
gcaatttaaa catttgactc tagatcttag gtatcctcca aatatctgac aaacaagagt     1620
ggtggcctgg gtgtgtctgt ctaatttatt gctgccattc aagcatgccg acgcgtgggt     1680
cgacccg

```

```

<210> 5375
<211> 789
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (790)...(382)
<223> similar to gil62781 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5375
ggtttaaaaa aatcattctt accaccaata cagcaattaa taaagttcct actcttttga      60
atttattcac taaataagca ccacctttta aaatctactc cattagaact ctaccccaca     120
acctccccac catatatatg caagtccata taaatccaaa tctcaaaaag ctgatataca     180

```

aaccactcag	aacatttttc	gtgaaatata	tgttttaatt	cagcagtaaa	aggcagcaca	240
tgatcagaaa	tatgtagggg	tgtgaaagag	cttgccagga	aatgagagct	gttgcacagg	300
gtatcagcaa	ctgtgtacag	cttggcaagg	ttttcagtcc	tgtcctccag	ggaggatctt	360
gacttctcag	ttcccacttc	aggaatacat	ggtcaactgc	agccactctt	tgatagacac	420
ttgaatcagg	ccatctctat	ctctatccag	agacttgaag	gcacgaaaca	tggcatccag	480
gcggaccaag	cagctgatga	aattgttaaa	atccatatct	ccatcttcat	tagcataccg	540
gcggacaatc	atttggtaaa	gttggttcatt	tagctggaag	cctgcggcct	gcagagctcc	600
ccgcagctga	gaacttccca	gagacccaga	atggtccctg	tcatactgct	tataaacaca	660
ctgccatttc	ttgatgttgt	tccacagata	cttaaattct	tcaaagccca	gcttaccagt	720
cgtgtcactg	tccatgacag	acacaatgct	ccggcagggtg	tcaagactaa	aaccgtcagt	780
cttaagatc						789

<210> 5376

<211> 2142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (129)...(1308)

<223> similar to gi3877668 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5376

aaggaaatca	gcaagagaaa	gaaaggctctg	tggatttaaa	ctttcttcca	tcggttgatc	60
ctgaaacagt	tcttcagaca	gggcatgaat	tgttgtccga	attacagcag	cgtcgattta	120
atggctcaga	cggagggggt	tcatgggtctc	ctatggatga	tgaacttctt	gcacagccac	180
aggttatgaa	attattagat	tactcccgag	agcaatatac	ccgctaccag	gaagtttgta	240
ggcaacgtag	caagcgcaca	cagttagaag	agattcaaca	gaaggtaatg	cagggtgggtga	300
actggctaaa	agggcctgga	tcagaacaac	taagagccca	gtggggcatt	ggagactcca	360
ttagggcctc	ccaggcccta	cagcagaaac	acgaagagat	tgagagccag	cacagtgaat	420
ggtttgcagt	gtatgtggaa	cttaatcagc	aaattgcagc	actcttgaat	gctggcgatg	480
aggaagatct	tgtggaacta	aagtcactgc	agcaacaact	tagtgatggt	tgttatcgac	540
aggccagtc	gctggaat	aggcaaaatc	tcttacaagc	agctcttgaa	tttcatgggtg	600
ttgcccaaga	tttgtctcag	cagttggatg	gcttattagg	gatgttgtgc	gtagatgtag	660
caccagctga	tggagcatcg	attcagcaaa	ctttaaaact	gcttgaagag	aagctgaaaa	720
gtgttgatgt	gggattgcaa	ggtttgcgtg	aaaaagggtc	aggtctcctg	gatcagatct	780
ccaatcaggc	atcctgggcc	tatggaaagg	atgtaaccat	tgaaaaataa	gaaaatgtgg	840
accacataca	aggagtgatg	gaagatatgc	agcttagaaa	acaaagatgt	gaagacatgg	900
tagatgtgcg	aagggttaaag	atgcttcaga	tgggtgcagtt	gtttaaatgt	gaagaagatg	960
ctgcccaggc	agtagaatgg	ctaagtgaac	ttctggatgc	tctgcttaag	actcacatca	1020
gattgggctg	tgatgctcaa	gaaacgaaag	ttttgctgga	aaagcataga	aaatttggtg	1080
atgttgacac	gagcacttat	gactatggca	ggcagttgct	acaggccaca	gttggtttat	1140
gccaatcttt	gcgctgcact	tctcggtcat	ctggggatac	acttcctcga	ctgaacagag	1200
tatggaaaca	atttacaata	gcatctgaag	agagagtaca	tagattggaa	atggctattg	1260
catttcactc	aaatgctgaa	aagattttgc	aggactgtcc	agaagagcct	gaagctatta	1320
atgatgagga	gcaatttgat	gaaattgaag	cagttgggaa	atcacttttg	gatagattaa	1380
ctgttccagt	agtttatcct	gatggaaccg	aacaatat	tgggagtccc	aagtgacatg	1440
gcttctactg	gcagaaaaca	tcagagacag	gatgaaacta	gttaatctca	aaaggcagca	1500
gctgagacat	tctgaaatgg	tgaccacaga	gagctaatag	ctaccagcta	cctacagatt	1560

tgcagttcat	aatccccgcat	gttgtcaaca	tactacagca	ttagccacca	caccttaaga	1620
tgcatttcac	agccaaaata	agtctcattt	cttttcatga	cacatttctc	tttacatggt	1680
aacaccttgc	tactaccaag	gcataattac	ttaacatgct	tcgaggctgt	agattccaag	1740
tatcttaaaa	gaaggaacta	taaacattgc	actgaaaact	tgctttaaaag	ctttacctga	1800
cctgtcagtt	tgtagacaaa	caactgataa	taagctttga	atggtgctaa	taagagtagg	1860
aattctctct	attaaaaaga	aaaaaaaaag	ttgcccttcc	tccacagggtg	atttattaaa	1920
tttagacagt	agttaaactc	ttgttagtag	acaggggtgt	cctcaaaaatt	ttactttgta	1980
attcttcaaa	attgattatt	tttattgtgt	caatacagag	aaagcctttc	agatctttga	2040
tatatcatag	tcattaaaag	accttttcct	atttgtattg	ataatgtatt	aaaagttggt	2100
tgtgcttaat	aaaagacttc	tttaaacatc	ttaaaaaaaa	aa		2142

<210> 5377
 <211> 922
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (925)...(207)
 <223> similar to gi3868802 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5377		
tttttttttt	tttgacttgc aacaggaaga actttttattg aaacaccacc atagagaaaa 60	
agccaaagaa	atggtactat tctaaaaata acttgtctta attcattgga agaaaagcag 120	
aaaaataagg	ggacccttat ttaggaaact agcttcattt tgggtatttta atttgggggc 180	
cattctgtct	cagaggctgg agttcaggaa gacaccctct gttcattctt gttgttgact 240	
ttggtggatt	tctctttcac agtgtgaact ctggatgaga gaactttgcc acgaggatct 300	
atctcttcaa	caactgtttt gacaatggtg gtttttagatg aatcttttgt ttgatttcct 360	
gggcctccat	agccttttga tttagaacag gagccatctt ctccatctat caggaggcag 420	
taggtctcaa	tttctttttc caggtggacc ttgatgtcaa ggagctgctc atactcgagc 480	
ttctggccct	cgggtctcggg tctgacctgg tgcagctgct cctccagggc cccgatctga 540	
gcctggatct	gtgccagctg tgcacagtag ttactctcgg tctctgtcaa ggagcactcc 600	
agggagtgtt	tcgttgctaa gagggactga agttcaatct caagggtttg aagagtgcgt 660	
ttcatctcgg	taagctcatt ccgggctgag gtggtggcgc cagcgtcgtc agagatctgc 720	
tgtgcagcg	aggcgtctct ttctgtgaac caggcctccg cgtccctgcg gttctgctct 780	
gcgagggtct	cgtactcagc tcgcatattg ttcagcagaa ccgtgagggtc taccctgggg 840	
gccgcgttca	tctccacggt cacgttgccct ccagccgcgc actgaagagc tttcatttcc 900	
tctcatgat	tcttcttgag ga	922

<210> 5378
 <211> 2897
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature
 <222> (14)...(1969)
 <223> similar to gi5081610 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5378

cccacgcgta	cggccagggtg	ggagtgaaga	ttgtgatgtg	ttggaggcca	cccagcccct	60
ggaacagggg	ttcctgcagc	agctggagga	gggccccagc	agttctggac	agcatcagcc	120
acagcaggag	gaggaggaat	caaagccaga	accagagagg	tctggcctca	gttggagcaa	180
ccgggagaag	gcaaagcagg	cattcaagga	actgctgagg	gacaaggctg	tcccctccaa	240
tgcctcatgg	gaacaggcca	tgaagatggg	ggtcaccgac	ccccgttaca	gtgccttgcc	300
taaactgagt	gagaaaaagc	aggcattcaa	tgccctacaag	gcgcagcggg	agaaggagga	360
gaaggaggag	gccccgctaa	gggccaaaga	ggccaagcag	accctgcagc	atttcctgga	420
gcagcatgaa	cgcagacact	ccaccacccg	ctaccggcgg	gcagaacaga	cctttgggga	480
gctggagggtc	tgggctgtgg	tccctgagag	ggatcgaaaa	gaggtttatg	atgatgtcct	540
cttcttcctg	gccaagaagg	agaaggaaca	ggccaagcag	ctccggcgcc	gcaatatcca	600
ggccctaaag	agcatcctgg	atgggatgag	tagtgtcaac	ttccaaacca	cgtggtccca	660
ggcccagcag	tacctcatgg	ataaccccag	ctttgctcag	gaccatcagc	tgcagaacat	720
ggacaaggaa	gatgcactga	tctgttttga	ggagcacatc	cgagctttgg	agagggaaga	780
ggaggaggaa	cgggagcggg	cccggcttcg	ggagcgacgc	caacaacgca	agaatcggga	840
ggccttccag	accttcctgg	acgagctgca	tgagacaggg	cagctgcact	ctatgtccac	900
ctggatggag	ctatatccag	cagtcagcac	tgatgtccgc	tttgccaaca	tgctgggcca	960
gccgggctcc	acccctctgg	acttattcaa	gttctatgtg	gaggagttga	aggcacgatt	1020
ccatgatgaa	aagaagatca	ttaaggacat	ccttaaggac	cggggcttct	gcgtggaggt	1080
gaacacggcc	tttgaggact	tcgcccacgt	cataagcttt	gacaagaggg	ctgccgcact	1140
ggacgcaggc	aacatcaagc	tgaccttcaa	tagtctgctg	gagaaagcag	aggcacggga	1200
gagggagcgg	gagaaggagg	aggcacgcag	gatgcggcgc	aggggaagctg	cctttcgaag	1260
catgctgagg	caggctgtgc	ctgctctgga	gctaggcact	gcctgggaag	aggctcgtga	1320
gcgttttgtg	tgtgactcag	cctttgagca	gatcacccctg	gagtcggagc	ggatccggct	1380
cttccgggag	ttcctacagg	tgctggagac	tgaatgccag	cacctccaca	ccaaagcccg	1440
aaagcatggc	aggaaaggca	agaagcacca	tcacaagcgt	tcccactcac	cctcaggctc	1500
tgagtcagaa	gaagaggagc	tgccccacc	atctctccgg	ccccccaagc	ggaggaggcg	1560
gaacccctca	gagtcaggct	ctgagccctc	ttcctcactt	gattcagttg	aaagtggggg	1620
tgctgccctt	ggaggacggg	gctccccttc	ctcccatctt	cttggagcag	atcatggcct	1680
tcggaaagcc	aagaaaccaa	aaaagaaaac	taagaagaga	agacacaagt	cgaatagtcc	1740
tgagagtgag	acagaccctg	aggagaaagc	tggcaaggag	agcgatgaga	aagaacaaga	1800
acaggacaag	gacagggagc	tccaacaggc	agagctccct	aaccgttccc	caggctttgg	1860
aatcaagaag	gagaagacag	gctgggacac	gtcagaaagt	gagctgagtg	agggtgagct	1920
ggagaggcgg	cggcggacac	tccctacagca	gctggatgat	caccagtgc	ccaatgagct	1980
gttctctgcc	tgggtctgt	gtgaggccat	ggctcctggg	gccaccctcc	accgggtctgc	2040
ctcagacttt	ttccttagtc	tggtctgtgt	ccactttttc	taaagtaacc	ccccaacccc	2100
cagcacacca	ttgttggcac	ctctcaagg	tgctcttggg	gttcaagggt	cccctactcc	2160
ctggactagt	gcagtccttg	ccctcagccc	cagaccagag	atgggtggta	tatgccatgt	2220
ggggtgggtg	atgccagtag	ataaaaagtgt	gagagaaggg	gtctccaggg	aagagtcaca	2280
ggctgttggg	cacagcctgg	gtggcagagg	gcagggtcat	caccctctag	catcagtgcc	2340
tgctcctgcc	tgccctggcc	ctgaggctcc	accacttctt	cctccacca	ggacccaatg	2400
tacgtgtgtt	ttgttttttg	ttttttaaat	aacaatat	ataacatggc	cagtgtactct	2460
tttccatgtg	ctactggggc	aggctgggga	ctggacacat	gcccagcaga	gggcactagt	2520
gtctcatggc	aggcctgctt	ccctttgtgt	ggctagagcc	cacctagccg	gttctccttt	2580
ccccagagtt	ctgatctcat	ctcctccaaa	acagatgcag	tgccccaaag	atttcttttc	2640
tatccccata	gcccaggtca	gactaaatgg	ccaccctagc	cccctaagct	cagaaagagg	2700
agacaaagtc	aggcctggtg	catcaagcct	ttgttgagag	ggggagagtc	tgaggtttat	2760
gtacagtaag	aggaaaggga	ggtggtacat	gtacaaaaaa	gtgggcccc	acattccctt	2820
ccagggggcag	aggagaaacg	ggaaggtaag	caaatagcca	agaccacat	gctccttgtc	2880

<210> 5379
<211> 2214
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1084)
<223> similar to gi4731361 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5379

atgcaggcgg tccgcgccac tgcctctcag tccctgtcct gcgcccgcgc gccccgggag 60
cctacccagc acgcgcctcg cgcccactgg tccctccag ccgcgcgcgt ccagccgagt 120
ccccactccg gaggcgccgc tgcgcggggg acatggctct ctgcgttcag gggtgagcac 180
ccccttgtaa gctcagggct actgttgggt gtcagggaac aaagtttttag actgctgcgc 240
tccaaagcgg gcacacacat gtacctagaa cacaccagcc actgtcccca ccatgatgat 300
gacacagcca tggacacacc cctgcccaga cctcgccctt tgctggctgt ggagcggact 360
gggcagcggc cctgttgggc ccgctccctg gaactgcca agccagacat gcagcccttg 420
cctgctgggg ccttccctga ggagggtgga gagggtagcc cagcccagac agagagttag 480
ccaaaggtgc tggaccagga ggaggatctg ctgtgcatag ccaagacctt ctctacctt 540
cggaatctg gctggtattg gggttccatt acggccagcg agggccgaca acacctgcag 600
aagatgccag aaggcacgtt cttagtacgt gacagcagc accccagcta cctgttcacg 660
ctgtcagtga aaaccactcg tggccccacc aatgtacgca ttgagtatgc tgactccagc 720
ttccgtctgg actccaactg cttgtccagg ccacgcattc tggcctttcc ggatgtggtc 780
agccttgtgc agcactatgt ggccctcctg actgctgata ccgaagcga cagccccgat 840
cctgtcccca ccccgccctt gcctatgcct aaggaggatg cgcctagtga cccagcactg 900
cctgtcctc caccagccac tgctgtacac ctaaaactgg tgcagccctt tgtacgcaga 960
agcagtgcc gcagcctgca acacctgtgc cgccttgtca tcaaccgtct ggtggccgac 1020
gtggactgcc tgccactgcc ccggcgcatg gccgactacc tccgacagta ccccttccag 1080
ctctgactgt acggggcaat ctgcccaccc taccocagtc gcaccctgga ggggacatca 1140
gcccagctg gacttggggc cccactgtcc ctccctccagg catcctggtg cctgcatacc 1200
tctggcagct ggcccaggaa gagccagcaa gagcaaggca tgggagaggg gaggtgtcac 1260
acaacttggg ggtaaatgcc cccaggccgc atgtggcttc attatactga gccatgtgtc 1320
agaggatggg gagacaggca ggacctgtgc tcacctgtgg gctgggcccc gacctccact 1380
cgcttgccct ccctggccac ctgaactgta tgggcaactc cagccctggt ttttcaatcc 1440
ccagggtcgg gtaggacccc tactggcagc cagcctctgt ttctgggagg atgacatgca 1500
gaggaactga gatcgacagt gactagtgc ccttgttga ggggtaagcc aggctagggg 1560
actgcacaat tatacactat ttattttatt attctccttg gggttggtgt caggggagag 1620
ccaacccac ctctatgcc tgagccctgg tagtccagag accccaactc tgccctggct 1680
tctctggttc tccctgtgg aaagcccatc ctgagacatc ttgctggaac caaggcaatc 1740
ctggatgtcc tggtagtgac ccacccgtct gtgaatgtgt ccaactctct ctgccccag 1800
ccatatttgg ggaggatgga caactacaat aggtaagaaa atgcagccgg agcctcagtc 1860
cccagcagag cctgtgtctc accccctcac aggcagagc tgtatctgca tagagctggt 1920
ctcactgtgg ccgcaggccc cggggggagt gcctgtgctg tcaggaagag ggggtgctgg 1980
tttgagggcc gccactgcag ttctgctagg tctgcttct gccaggaag gtgcctgcac 2040
atgagaggag agaaatacac gtctgataag acttcatgaa ataataatta tagcaaagaa 2100
cagtttggtg gtcttttctc ttccactgat ttttctgtaa tgacattata cctttattac 2160

ctcttttattt tattacctct ataataaaaat gatacctttc atgtaaaaaa aaaa 2214

<210> 5380
 <211> 1512
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1515)...(918)
 <223> similar to gil228052 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

0048373E 043400
 <400> 5380
 ttttatttttg gtagttgttt ttatggatgt gaaaaatatt accactgcaa ctagcaagaa 60
 ctataaatga tacattattg caagtgttct aaaaaatcag gaacaaaact aatttattat 120
 agttctgtct tcattataca ccacgtgttg gtgagttaaa cacaacaaaa ttgtcttttc 180
 ttttaaaagt gtctactaaa gataaaaaga ataagataac aattaacatg tagtttggtta 240
 cattaaaaaa tctgatatac atatttctat tgcctgttag cttgttctaa gcctctttta 300
 ctattacaac aaaaaaaaaa aaggaaaaga aaagaaaatt cattgtttta aggcaaacat 360
 tcaattcagt tgatacaaca ttacagtaca gtcaactaac atcattcaac gaaggtaaca 420
 agtctagcct tagcttcttg agttaaaagt ctatagacca gattgctaca aaagtttcaa 480
 tgctgcttca aaaccgtatg ttagcttttt ggaggacaaa gtactttcta cggatggcctt 540
 cagaaggggt catgctactg gtaaaagcac aggggaaccc catcctgtca ttaatcattt 600
 tattgagcac tgtagttaga acagcattat tgagttagc acaacaacta aaataaaaata 660
 ataataaat aacaatcata ataatgataa gaataaaaac caaacacaga ctggaagcct 720
 agagtcgctg gcagccgtgt caaaccttg cgatacgcta tactaaaaaa atttgaaata 780
 tccacccgtc ctctccactc tgccacaaac tagcaaagtc aaaaatacaa aagtcttcaa 840
 cttgttcact tttgcagaat aaagcaaaaa cgtctttgtg ctcttacta ccagaagcaa 900
 aatatcctct gagttaccac atgtaatagc ttctggatgt gtcgacctgg gttggccttg 960
 tgtctgcaga accatctttg tctttctcgc tgtcaccttc ccagagggtta atgagtgggt 1020
 ggtacagctc atttagtggg attgaagagg ttttttgcac atactttttt aatgagtgggt 1080
 ggtagttttt tctcttaaat cttttggcaa agtacacagc aatggacgca aggctaata 1140
 cggcaaacat agaccccat actgcagcaa gggctgtact ggtttcttga tcagagatgt 1200
 cactgcgaa ggcggcattt ttggttgtga catttacgca tgacttttga gtctgtgat 1260
 gaatattgga cactgtgaga cacacttcat aatctgtgga aggctgcaga tgcgttaggt 1320
 tgtattcatg gacatcgact gggaccctgg cagtatatgt tatgtgaggg ttatcaatct 1380
 tcatggtggc agacgacat ttttaagtttg acgtcatgac attggaatta actttccagg 1440
 acactaagat ggaatgggat tctgtctgct tgacgtatat ttttagcacc tgggtaccat 1500
 ccagaagggt cc 1512

<210> 5381
 <211> 2197
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2195)...(580)
 <223> similar to gi2924552 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5381

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atacttaaca	tgactaaaca	acaaaaagtt	cttgacttcc	atcctttatg	ggtagaaaaa	120
taaattattt	taatagttat	ttaaacatgc	ctcctgcttc	cagagaaatt	aatgtgttaa	180
atatatatat	ttttcaaat	atccctaaca	tttacacaaa	cttgagtaga	tactgctcta	240
tttttacaca	gaattgtaaa	cagcctttta	aaaagctaga	gtaactttcc	actagttaga	300
actgaacatt	gtaaaatata	aaaattttat	aaaccctata	atgcaggtaa	tttaattatg	360
actgatctgt	aggaatatac	aataaaaaatt	tgtcagtcac	ccacaattaa	gtacaattat	420
ttatggagaa	aaattttact	atgtccagaa	aaagatttta	ttcatgttct	tgaaagatag	480
ctttgttccc	aataaatatt	ccctcctact	atttttgtac	attttaggaa	aagatgtatt	540
cagttcaaaa	ataagtaaca	tccagttatt	tgactttttg	cttttttctt	gcttgaaaact	600
gctctgtttt	ggtttttata	gatttaataca	acattgacaa	agcaggatca	atggacttcc	660
tttgtgatcc	cttttcaatc	tcactctctt	ttttctttat	tgccctgagta	agttcttggt	720
cttttcgttc	tctttgccc	gccttctcct	caaggatttt	ttccatagct	tttgttttct	780
tgaaattggg	atctgagggg	tccaaattga	acaagtggga	agtgtacatt	gcctgaaacc	840
gtgcatcggt	aacattttacc	tcaaagtcac	cctctattaa	ttccttcttt	ttcatgagct	900
gctttttctt	ctttttgctc	agattctggt	gctccacaat	cttggttgtaa	ttgaagtgtt	960
tcttactgtc	ctcgtcctca	tccatcataa	gcaaagccat	ttcagccttt	tgtcttttcta	1020
tttcaatttc	ttcttctgga	gatgtgccat	cttttgcaga	ttttaccgat	tttttattta	1080
tacctatttg	tttaacttct	tcagcaaagt	atgggtcatt	caaatcaaca	tcagagggaa	1140
gttcctcttc	actggcctct	tcagcaagag	ccttctgttt	ccttttcagt	ctttttttct	1200
ctttcttctt	ctctaaaaat	tgttcccaag	gggtcagttt	atcctttcct	tccattttgt	1260
ttttgaccat	ctcttctgca	ctttctttta	gacctggaac	ccatttaatt	tccatttcca	1320
tatcattttc	tttgcctttt	tttttttttt	cttgaataac	ctgcaagagc	tgccctgtatt	1380
tagcaatttg	ttcttcatca	tccttctgac	ttttctttgt	tttcccatct	tcttctacat	1440
tgactccatc	atcaccttgt	agctcctctt	ctgtctcctc	ttcatcttca	ctagaggaag	1500
ctaagtaggc	ttgaaaatcc	atgtccaaaa	gctcttccct	tttaaaacttc	ctgttgagca	1560
ttgtaattct	ttcatgatca	gtctcatccc	aagtgttttc	caccgttgat	gttcccattg	1620
cagcagaagt	gaaatatatt	ggttttatat	ctgtttaaatt	cacttctgag	gctacatcct	1680
taggctcatc	atcaaaaagta	atatcatctg	gtataaacct	tagatctatg	aaagaacaac	1740
tactttcaaa	ttccaggcca	tcacaatcct	cataaatttt	actagctgtt	tccggagaat	1800
cacagtctac	tactgcataa	tagtacttca	gtcgtttgaa	ttgataatct	ctcaattttt	1860
ctctagacgt	ccagtctttt	tctggggcat	cttcaggaat	acttaatagc	tctactggtc	1920
cttgaacttg	ctcttccttc	atcctctcct	ttccaaattc	tgaaggatat	atcttgacgg	1980
aaaatattac	acctcctttg	ggttttaaat	aattgaacag	agccagcaaa	tctttttgct	2040
ttaatctatc	ccagtccatg	ttacaaactg	ctaatcgacg	tgtaatctca	tcagcacgag	2100
gagcatcttt	atctaattct	ctccaagcat	gctcaaaacc	agattcttct	ggaaacaaat	2160
ctgccgtatc	atcttcatct	tcagaactag	tttctat			2197

<210> 5382
 <211> 1520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> similar to gi4589624 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5382

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cagaacaagt	accccaaagc	agaaatgacc	ctgatcccaa	tgaagggaga	gttttccaga	120
ggctcttggt	ttgaaatggc	ttctgcccag	tttgacaatg	acacttttgc	gctattttgt	180
gatgttgact	tgatcttcag	agaagatttt	ctccaacgat	gtagagacaa	tacaattcag	240
ggacaacagg	tgtactatcc	catcatcttt	agccagtatg	acccaaagg	aacaaacggg	300
ggaaatcctc	ccactgatga	ttacttcata	ttctcaaaaa	agactggatt	ttggagagac	360
tatggatatg	gcatcacctg	tatttacaaa	agtgatcttc	taggtgcagg	tggatttgat	420
acctcaatac	aaggctgggg	actagaagat	gtagatctct	acaataaagt	cattctatct	480
ggcttaaggc	cattcagaag	ccaagaagta	ggagtgggtc	atatittcca	tccagttcat	540
tgtgatccta	acttggaccc	taagcagtat	aagatgtgct	taggatccaa	ggcaagtact	600
ttcgctcaa	ccatgcaact	ggctgaactc	tggcttgaaa	aacatttagg	tgtcaggtac	660
aatcgaactc	tctcctgaca	gtccaggcaa	cacattttgc	cttttttaag	gggagtttac	720
ctcattgttg	gttggtgtta	tttttattgt	attattgtta	ttttattatt	attattgtta	780
taattttatt	ttgttgtcct	ggctctaaac	tactcttggt	tgtcttccta	aggggtgttg	840
ttgacctcaa	gcaagaagag	tctgcagttc	actgatgttt	cagattttcta	ctgaagtcaa	900
tatgttatta	cttttatata	actttatttg	agattgagtt	aaatcatagc	aatcaaatga	960
cttttgaaac	gcattcatca	caagagacag	cttagaagaa	tgttctcttg	gggcttaaaag	1020
atgcaatatc	gacttttatt	tggtttctca	aattcaatgt	gatacaaata	tttactggtg	1080
aaaggtacca	caaaagtgtc	ttatgcttcc	tatggggaag	ggactctgta	acataaactt	1140
gagttttgta	atttatacaa	ggacttaaat	atataaacia	taattttctt	catctttaga	1200
atttttaaa	taaatgaata	cctatgattg	tatgtttatt	ttttaaaaaa	agttttaaaa	1260
attgaggagt	tttgtttcac	aagcaaccgg	tactggctac	cctgggtcta	tgacaattat	1320
gagctcctca	caactgtctg	ctataaatgc	gaatgaactt	tattttctca	aggaaatatg	1380
atttaattaa	atattcatgt	acattttaga	agctttatga	aacaatgtcc	ttcatttgct	1440
ggcaagaaga	taaaatatga	cagaacctgt	ttatttaaaa	taaaacacag	gtatagcagt	1500
attctttttc	aaaaacactg					1520

<210> 5383
 <211> 2850
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2767)...(1222)
 <223> similar to gil825589 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5383

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------------	------------	------------	-------------	------------	------------	----

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tattcaaaga	aacagaagat	gtagctgtgg	tggtaatgga	cagcccagct	acccaccagt	180
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<210> 5384
 <211> 663
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> similar to gi468032 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

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 caaggcatcc gctgaagacc aaccctcgc ctcagttgtt ttttattttt ctaataaagt 480
 catgtctccc ttcaaaaaaa aaaaaacaaa actggggggg aattaccaa ttggattcaa 540
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 aaa 663

<210> 5385
 <211> 692
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (542)...(462)
 <223> similar to gi3152662 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5385
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 tttctcttta gcatagctac agacctcctc agggcatgct atcccatttt ctgaaagtca 300
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 catctccatg gcacagatgc atgaaaaaaa tgggaacaga ttcttcattt gcatagaagc 420
 taaatagcta tattaatct tattttaaga gtttcttttt acctttgctt cgtaaccatt 480
 aacaacttct gctttatctg tcctccagcc ccagaatccg gatttagttc tgataaaaag 540
 tgaacaccac aaatttctac atgtacaata tgccattcag atttatatct gtagccttta 600
 tagttttttt cccccccagc ttaagttagt gaaggacact tggaaatcat ggtcctattg 660
 tccacaggag gcggttagca atgacagatg gc 692

<210> 5386
 <211> 4703
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (4704)...(1924)
 <223> similar to gi4529843 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5386

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taatagccac	gataaacttt	gttagaaatg	tacatgttgc	caaaataata	ataataaaat	180
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aagggcaggg	taaaggaaac	tttaaaaaca	ccagttctga	ataagcctgg	ggccccgtga	300
gactccccct	ctcccaccca	gtctcggggc	ctagggactg	cgcccccca	aacaggacaa	360
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aaattacagc	atcacaaaaac	acggaaacac	ttcacaaggt	gctagtaaaa	taactgtatc	540
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<210> 5387

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(491)

<223> similar to gi2808660 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

[illegible]

<210> 5388

<212> DNA

 $\langle 220 \rangle$ $\langle 222 \rangle \quad (3) \dots (629)$

<400> 5388

3939

caccagtttt tttggctcag

1280

<210> 5389

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (544)...(46)

<223> similar to gi2772539 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5389

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gagtagagac	tcctggctga	ggatgtgcac	ctggcccttg	aagatgggca	cctgcacttt	240
tccttccatt	tgtctctggg	acttgggtgat	gcaatgggtg	acagatttac	actcaggggt	300
gattttgtgc	acttcccgat	ccatagtga	gtcctcgatg	tctaaatcag	cctgttgaag	360
gatggtgcct	gctggggtct	tgtagatacc	tctggacttt	attctaata	agcagttctc	420
cataatgtca	atacagccca	tgccgtgctt	gcccgtagct	tcgttcaggt	acacgaagag	480
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ttt						543

<210> 5390

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (14)...(339)

<223> similar to gi5360111 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5390

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agaagaacag	aaacaggtgc	gcttaccaca	aagccgctg	acaccatggg	aggtgctggt	180
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tcgaccacta	caaaaacgaa	ctgaaatgga	agaatgtgaa	aaaagaaaga	taattgctga	300
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<210> 5391
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1047)...(755)
<223> similar to gi415907 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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ggggtctgcc cttcctaaat caaaagcaag tagaagacag agtaaaatgt gtaatatataa     360
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<210> 5392
<211> 2038
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(1179)
<223> similar to gi3882333 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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gtgtgctgct gtggggcacc cagcccccca gatagcctgg cagaaggatg ggggcacaga 180
cttcccagct gcacgggaga gacgcatgca tgtgatgccc gaggatgacg tgttctttat 240
cgtggatgtg aagatagagg acattgggggt atacagctgc acagctcaga acagtgcagg 300
aagtatttca gcaaatgcaa ctctgactgt cctagaaaaca ccatcatttt tgcggccact 360
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tgtgatcccc actccaacct gcgactcccc tcagatgaca gccccatcgt tagacgatga 660
cggatggggc actgtgggtg tctgtatcat agccgtggtt tgctgtgtgg tgggcacgtc 720
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caacacagat gagaccaact tgccagcaga tattcctagt tatttgtcat ctcagggaac 840
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cacatcttca ggtgctggat ttttcttacc acaacatgac agtagtgga cctgccatat 960
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tcacaatgaa ggacctggaa tgaaaaatct gtgtctaaac aagtcctctt tagatttttag 1320
tgcaaatcca gagccagcgt cggttgacct gagtaattct ttcattgggtta cctttggaaa 1380
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gatgaaccaa aattacaaaa agttatgaaa attttttatac tgggaatgat gctcatataa 1800
gaataccttt ttaaactatt ttttaacttt gttttatgca aaaaagtatc ttacgtaa at 1860
taatgatata aatcatgatt attttatgta tttttataat gccagatttc tttttatgga 1920
aaatgagtta ctaaagcatt ttaaataata cctgccttgt accatttttt aaatagaagt 1980
tacttcatta tttttgcac attatattta ataaaatgtg tcaatttgaa aaaaaaaa 2038

```

<210> 5393

<211> 998

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (914)...(168)

<223> similar to gill109828 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

tgctgttaca	gagtaagaaa	ctcatggaag	ggccacctca	ggaggggggat	ataatgtgtg	1140
ttgtaaatat	cctgtgggtt	tctgccttca	ccagtatgag	ggtagcctcg	gacccggcgc	1200
gccttactgg	tttgccaaag	ccatccttgg	catctagcac	ttacatctct	ctatgctggt	1260
ctacaagcaa	acaaacaaaa	ataggagtat	aggaactgct	ggctttgcaa	atagaagtgg	1320
tctccagcaa	ccgttgaaag	gcatagaatt	gactctgttc	ctaacaatgc	agtattctca	1380
attgtgttac	tgaaaatgca	acattagcaa	agagggtggg	tctgttttcc	aggtgaaact	1440
tttagctcca	tgacagacca	gcctgtagtt	atctgtgtac	acagtttaca	gctacaaaaa	1500
cctacttttg	tattttattac	agaaaagtgc	tcagttaa	gtaagtgtta	ttccttcagc	1560
aaaatattca	ctgacccaaa	actctttatg	gcattttaca	atgcacacag	cctcatgcaa	1620
gttttagaca	gtggatttat	actgtcttat	gagtggccgc	ccctgatata	ttacctcatt	1680
atgcaaaaat	aacatatctt	tcatgactat	tttgacaaaa	gtttaaaaca	catatgaagt	1740
tcaaatttca	ggaaccaagg	actgccagaa	aattattagc	tctacattac	gcatgcat	1800
agaagcttac	ctgaaatctg	ccttttataa	aggaatagta	tggaataagt	gaattgtaca	1860
tttttttaaac	ttgattgcca	ttaaagcaga	aattataagg	ttgcaacaat	atttgtttct	1920
aatcactggc	tttctcaaga	gtatggattg	acataattgt	ttatgaatgc	acatctctca	1980
gatgtgttga	agcatccatt	gcatccattt	tttattattt	tcttagtttt	gttcttgga	2040
aaattttaa	ttttaaaaga	ttattcaaga	tgaattttaa	agtcaaccct	tcacacagtt	2100
tccctactgt	atgtagaatc	caggtgctga	aaccaagtgt	ttcttttccc	atgctctttg	2160
ttaaacccca	attatagata	atttttccag	tcttaagctc	tgtccacctt	caagtcaatt	2220
cataaccaag	tttttgaacg	ctgctatgaa	ttgcactgtg	aaaagcactc	ttccctctca	2280
gttttctttt	catcccagcc	atgtttatca	gatccttaag	aacattgtat	ttcagtcttt	2340
tacatcagtc	tgaatttttg	aaaagaatgc	aatagttgta	ctccacagtc	agtggaaactg	2400
ttccctgagt	ccgaggctca	tgtgtcattc	tggcactaca	tttgcttaaa	ttgctatttt	2460
ggcaacagca	cagaaaacta	atattttttaa	gcagagaatc	ttggcaatga	gtgagagatg	2520
ttaatttcac	agaagcaca	ctcccaaccc	aacccttagg	aaaagccctc	ttccatcggt	2580
acagtgtca	gtgaatatta	attttagttct	gcttaagtgg	ttgctataca	aactttgaat	2640
agccacctaa	taaataaacc	ttgcatgaca	aacctgcaaa	atattttatc	agctgttatt	2700
ggaaagtgat	tttaagcaat	tgttctctca	gtgtcagggc	acatgtgaat	ttccacacca	2760
aacagagcat	gaggaaccag	ttgacatgct	gggttgtgac	tggcagcttt	agcagcctca	2820
gtactgaagc	cacaccagtg	tccggatgga	agtctgcac	tgaggttgct	cagtgtcccg	2880
gtcatttcatt	tacacatttt	aacttgcatt	aaagagctgt	tcttttctgt	ggcctagact	2940
cttttctactg	atctcaaaa	aaactgggtt	ttttcaaaaa	aaaaa		2985

<210> 5395

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (725)...(492)

<223> similar to gi4589624 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5395

gccaggaaga	gatacttaag	agttgatata	tacactaaga	aagatgaaaa	gatccagcca	60
tacaactatc	taaggaaaga	tatttctttt	ctatgggcac	aagaagcaca	caaaacaaca	120
ggtctcagtg	tattgtaaac	accatcaaag	acctccacac	cattaggctt	ataatctcac	180
aagcattctg	cctttgtcag	acacttcaca	gggtgcaact	gggttacttt	tgcaggcaaa	240
gcggagattt	tgatttctgt	tgtaaaaagc	ccaacagaga	gaaatcggag	gctttctcat	300

ctctgacca	tcagtccaat	tcttttgtcg	tcctttatgg	aagtcttttc	tctgttgcag	360
ccactttcag	taattgcaaa	aggaaagaaa	aagtgtctcc	cacaatcctt	ctctgggagt	420
tcatgttttt	ttgctacttg	tcttctgttt	ctgtttgcga	aggtgagcct	ctatctcgtg	480
cctgaacacc	agcatgcca	gctggccgtg	ggatgcctcg	ttcatggcct	tggactgcat	540
gcacatcttg	tactgctcgg	gggtcagctc	gtccatgcag	cgcttctcat	gccagagggtg	600
gaagagtcct	cgcacaggcg	tccgtaccac	tatgagggtg	ctgtggagat	acttgcgata	660
aaggtgcaca	tcctctccgc	cccagccttt	gatgtccaga	tcaaaccac	ctgtcgggac	720
agaacacact	gttgaatcac	actgcaactga	tctgttttgc	ttccctgagt	tgcaacaagc	780
acaaactttt	cattaagaca	tgactggggg	ggatgcgtgc	ttcaccacca	cccctccaag	840
gtacgagagt	gtccacctgg	gtcagaagcc	ccgagaattc	cccaacaaag	acgactttta	900
tggcagacag	caccgacttc	ttcagatgac	aggacctcca	agaaaattcc	aagcatttgc	960
ctgcattcaa	gagttatcag	caatgcta	gaacagcccc	agcctcgtgg	ttaatgggta	1020
caaaaataag	atctagtatt	cggtagcatt	attactgaca	gacttattgt	gattatgaat	1080
tagctattgt	taacaattta	ttgtatat	aaaaatagct	agaagactga	taaatatgat	1140
aaataattga	aatgatggat	acctcccatg	accctgatgt	gatgattaca	cattgtatgc	1200
ctgtatcaaa	acatcacatg	taccccataa	acatgcgcat	aataattaaa	aatagagggt	1260
tcgtaaaa						1268

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<210> 5396
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1210)...(447)
<223> similar to gi3786433 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5396	
tttttttttg	gagtactttc
caatttggat	ttttttccct
tctcaactgaa	ataaaaaatac
tgacagtttg	ggcatattcc
aggaggatc	tgaggagggt
gcgtgcctgg	atgctctaaa
cagacattcc	gagccatctg
gcagtattaa	agaggtagtg
atcccagcca	tatcctcttt
tattccaacc	agttcaactg
agctcagaca	tcagcatttc
tactccaaca	tggaacagat
cttccagtga	gccgcagata
ttccagtact	gtgatgtgaa
ctctcaaagt	ggattttttc
cagggattca	tgttaccaga
gcagtatacc	atcctacagc
gccacagcca	ttggagtagc
attccattag	gtccatttat
cccacaatgg	agggccttat
acgtttaata	cgcaagggca
tgactatggg	ctagttttaca
attagggacg	aatacataac
ctaactctga	gaatcacagt
taaagtctct	taaactttga
aatttataac	agaagcttac
atgagaaggc	gccaggcgat
agccttttta	agcgttgctt
tttttaactc	ccaaaacata
aagttgaata	ctctctgggtc
gtgctccatt	cccaactccg
gctttgtcat	cctgggcttc
ataatggcag	gggcccgggtg
catttggcct	cctgaaagggt
ctcccatttt	gtgccaattg
ttgacttagg	tctgtgaact
tatcaactgg	aattacgtct
cgttcccagt	cgcaataatg
aaggctcctg	ccaagttgct
tgctctcttg	ctgcaccacc

atttctcccc atgtgccgaa tt

1222

<210> 5397
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (402)...(288)
<223> similar to gi4929667 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5397
ggaaactttt tcagtattgc tcttctcttc tctctcacat tttccatgat tgacatctgg 60
taaccacaga ggtatcccga gtgaagggtg ccctggcctg cagcagctct gctctttttt 120
ttcccctact ttcctaaact ttattaaaga aaaaagcact agaacatagt cacttttctg 180
ggattcctcc ccgcaaaatg tgacgtttga ttttcaaaca tgccagaagt ggacatgggt 240
cccagttgta ctaaataagg gagaagctga agtcctaaag tgttcatctt ccaacttttc 300
ccagtctgtg gtctgtcctt ggatcagtaa taattgtctg aacagctact atggcttcat 360
taatttttgg ctggagctct ctgagctctt ctatatgcg 399

<210> 5398
<211> 2951
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2954)
<223> similar to gi1510155 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5398
atctcactga ggaccaacct ttcgacattc ttcagaaatc cttgcaagag gccaatatca 60
ctgaacagac attggcagaa gaggcattat tggatgccag tatagggttca agccaacagt 120
ttgcacaagc tcagcttcat ccttcttcat cagcatcctt tactcaggct tctaattgtt 180
ctaattactc aggtcagacg ctgcagccta taggggtgac gcatgtgcct gttggagcat 240
cgttttgcaag caatacagtg ggtgtacaac atggccttat gcaacatgtg gggatcagtg 300
ttcccagcca gcatttgtct aatagcagtc agattagtgg ttctgggtcaa atacagttaa 360
ttgggtcatt tggtaatcat ccttccatga tgactattaa taacctagat ggatctcaaa 420
tcatattaaa gggcagcggg cagcaagccc catcaaagt gagtggaggg ctctgggttc 480
atagacagac tcctaattggc aactccttgt ttgggaactc tagttccagt ccagtagcac 540

```

agcctgttac cgttccattht aacagcacia atthttcaaac atctttacct gtgcataaca 600
tcatcataca aaggggtctt gcaccaaatt caaataaagt cccaattaat atacagccaa 660
agcctatcca gatgggtcag caaaatacat acaatgtgaa caatttgga attcagcagc 720
accacgtaca acaagggatc tcttttgctt ctgcaagctc accccagggc tcagtagttg 780
gtccacacat gtctgtgaac attgtaaacc aacagaacac aagaaagcca gtcacctcac 840
aggcagtga cagcactggg ggcagtattg ttattcattc ccccatgggc caacctcacg 900
caccctaaag tcagttcctt atacctacaa gcctttctgt cagttccaac tcggtacacc 960
acgtccagac tataaatggg caacttcttc aaactcaacc ctctcagctc atttctggcc 1020
aagtggcctc agagcatgtc atgttgaaca gaaactcttc caacatgtc aggaccaacc 1080
aaccatatac tggaccgatg cttaacaacc agaatactgc tgtccactta gtgtctgggc 1140
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gtggacagat gcccttgag caggcatccc caactgtatt acacctgtca cctgggcaga 1260
gcagcgtttc ccaaggaaaga cctggcttcg ccacctgccc atcggtgaca agcatgtcag 1320
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cagttcagtc tggttcatca ggatcaaact ttacaggaga tcagctgacc cagccaaaca 1440
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aaaaatgtct gaatcagact tccccattht ctgctccaa gaccacagac ggctgaggc 1620
aagcacagat ccctgggctc ttgagcacca cactgccagg gcaggattct ggaagcaaag 1680
ttatatccgc atccttagga accgcacaa cagcagcaga aaaagtagtt ggatcatctc 1740
ctggccatcc agctgtgcag gtggagagtc attcgggagg aaaaaaagg cctgctgcga 1800
aacagctaac gaaaggagct ttattctcc agcagttgca gagggacca gcccacactg 1860
tgacaccaga caaaagtcac ttccgatcac taagtgatgc ggtacagaga ctgctctcct 1920
accacgtgtg ccagggtctc atgcccactg aagaagactt gagaaaagt gacaatgaat 1980
ttgagacagt tgccactcag ctcttaaaaa ggacccaagc tatgcttaac aaatacagat 2040
gcctgtcctc agaagatgcc atgcgaatca atccccctgc tgagatggtg atgatcgata 2100
ggatgttcaa ccaggaggaa agagcttccc tgtcccgaga caagcgtttg gcactttag 2160
accctgaggg ttttcaggct gatttctgtht gttccttcaa acttgataaa gctgctcatg 2220
agacacagtht tggccggagt gaccagcatg gcagtaaagc aagcagctct ctgcaaccgc 2280
cagccaaggc ccaaggcaga gaccgagcca aaaccggtgt gacggaacct atgaatcatg 2340
accagtttca tctagtgcct aatcacatcg tggctctctg agaaggaaac atttctaaaa 2400
aaacagaatg ccttggcaga gcactgaaat ttgacaaagt gggcttagtg cagtaccaga 2460
gcacgtctga agagaaggcc agccggagag agcctctgaa ggccagtcag tgctctcccg 2520
gccctgaggg gcaccggaaa acctcatcca gatcggatca tggtagtgag agcaaaactgt 2580
caagcatcct agcagattcg cacttggaga tgacgtgtaa caattccttc caggacaaaa 2640
gtctgaggaa ttctccaaag aatgaagtht tacacacaga catcatgaaa gggtcaggcg 2700
aaccacagcc agatctccag ctgacaaaga gcttggaaac cacatttaag aacatcttgg 2760
aactcaaaaa ggcgggacgg cagccccaga gtgacccac ggtagcggc tctgttgagt 2820
tagatttccc caactthtct cctatggctt cacaggaaaa ctgcctggaa aagttcatcc 2880
cggaccacag tgaaggtgtht gtagaaactg actccattht agaagcagct gtaaatagta 2940
tcttagagtg t 2951

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<210> 5399

<211> 1450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1232)...(793)

<223> similar to gi5737842 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5399
tttttttttaa agtgaaaaag aattttattta aggttttgtt atatcaggac aacaaaccag    60
ccctttttatg tcaccactca tttaaaaggc cattccaaaa cattaccatt aatgtagtag    120
cccatgtttt ctttcaggca ttttcaaagg gcatctcaga cccacaatat tttctattga    180
gtgtgcagaa aaacagagct gcaaaatcat tagtaaggca aaataataaa atgtctccct    240
ttttattgaa acatcaatth tccatgtttt agagatattc tgaatttaac attcatagat    300
atgcaatatt taagtttttag gatatttagca tactatcagc aatattgggt ttaatagcta    360
ctatcaagca actgatttct aatgcacaca acataatttg atagtatatg tataagaaga    420
tggcctgaat tttgccctca aatgcacaaa aagaattttc catacacatt ctcaaaagtc    480
tttggccttg ctgaataata atagagctgt tattttactg tgaagcaaaa taagccttca    540
agtgtccctt acttgatctt agaagggtcaa attctctgtc caatagttcc tcttctgtta    600
acttagagaa attatcctct ccaaaaggat tccaccctga catatcaggt ggattgctga    660
tgttcttctg atttgtgaaa tttgcaatgg cctctttatc agcaactgac ctattggcac    720
tataggagga gtccattatg gttccaaacct gagctggaag tgatgaagtg taggaaacta    780
aggctggtga gaactcttga ggggaggtaa gatattcagg tgatgcctgt tgttgagacg    840
gctgatgttg agctagcatc tgctgttgaa agaaagcctg ctgatactgc ggcatcattg    900
taggatactg tgatgcagaa ggttggtggt gatataccga atgcattaaa aattgttggt    960
gaagcatctg ttgctgctgt gttgcatgtt gatactgctg catataagca tcttgaagta   1020
ggtggtggtg gtggtggtgg tgggtgctgct gctgctgctg ctgctgctgc tgttgctgtt   1080
gctgctgctg ctggtgctgt tgctgctgct gctgctgctg ctgctggtga ggatgacgat   1140
gctgtaaatg gagttgctgt aatctccaat ctccctgctg tagttgctgg agtactctat   1200
gctgctgtgg cggctgctga ggaggtccct gacccaataa aatttcaggg ccatttccag   1260
gtcttagtgc cccttttggg ctatgggttac cgaattcacc aggagcaagg actttaacag   1320
gtgttgctga actttgaatg gtcagcacac tgggagtggt agtagtagca gagttggcct   1380
ttggtctttg tcttggtgca attgaggtat atgttggtca aatggtatct gttattctgg   1440
cttttatttg                                     1450

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<210> 5400
<211> 5931
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (3)...(1155)
<223> similar to gil665787 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5400
ccaactcctg gagtcccttg ggagctgccg ctgcaggccc ccgagccgct agggccccgcc    60
gccaggccac cgctgctgcg gcagccatgg cggaagttca tagacgtcag catgctcggg    120
ttaaaggaga agcccccgcg aaatcctcca cactccgaga tgaggaggag ctggggatgg    180
cgctcgccga aacgctgacc gtgtttctga agctgctggc cgccggcttt tacggcgtga    240
gctccttctt gatcgtggtg gtgaataaga gcgtgctcac caattacaga tttccctcct    300
cactatgtgt tggacttggc cagatggtgg ccacagtggc agttctcttg gtgggaaagg    360
cgctcagagt agtcaagttt cctgaccttg acagaaatgt acctcgaaag acgtttccac    420
tacctctact atattttggg aaccaaatac cgggactgtt cagcaciaag aaactgaact    480

```

tgccaatggt	tacagttctg	agaaggttct	ccatcctggt	tacaatgttt	gctgaaggag	540
ttttactcaa	gaagactttt	tcttggggta	ttaaaatgac	tgtatttgca	atgattattg	600
gagcctttgt	agctgccagc	tctgacttgg	catttgatct	ggaaggatat	gctttttattc	660
tgataaacga	tgtcctaaca	gcagcaaattg	gtgcatacgt	aaaacaaaaa	ttagattcaa	720
aagagctggg	aaaatatgga	ctgctctatt	acaatgcact	gttcatgatt	ctgcccaccc	780
tggccattgc	gtatttcaca	ggagatgcac	aaaaggctgt	ggagtttgaa	ggctgggctg	840
acaccctctt	tcttctgcag	ttcaccctct	cctgtgtgat	ggggtttatc	ttaatgtacg	900
ccacagtact	ctgcacgcag	tataattctg	ctcttacaac	tacaatagtt	ggctgtatta	960
agaatatatt	aataacttat	attggaatgg	tctttgggtg	agattatat	ttcacgtgga	1020
caaacttcat	tggtttaaat	atcagcattg	ctgggagcct	ggtatatcc	tatatcactt	1080
tactgaaga	gcagctgagc	aaacagtcag	aggctaataa	caagctggac	attaagggga	1140
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```

<210> 5401
 <211> 1198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (118)...(719)
 <223> similar to gi3878412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5401
gtcatttgca agggctttct cgtcctgtgc tcgtctcttg atctgactac cctggctcct 60
gagcgtcaag tggaccaggg caggggtttt gagagcatcc tggatgtcct ctctgtcatg 120
tacatcaacg cccagctgcc tcgggagcag cggcaccgct ggcgcctgct cttttcgtct 180

```


gagctccatg	gacacagctt	ctcccagctc	tgtggccaca	tcactcaccg	ggggccctgt	240
gtggctgtcc	tcgaggacca	tgacaagcat	gtgttcggtg	ggtttgccctc	ttgctcttgg	300
gaggtgaagc	ctcagtttca	aggggacaat	agatgcttcc	tgttctccat	ctgccccagc	360
atggctgtgt	acacacacac	gggctacaac	gaccactaca	tgtacttgaa	ccatggacag	420
cagacgatcc	cgaacggact	gggtatgggg	gggcagcaca	attactttgg	gctttgggtg	480
gatgttgatt	ttgggaaagg	acacagcaga	gccaaagcca	cgtgcaccac	gtacaacagc	540
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```

<210> 5402
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (289)...(433)
<223> similar to gi4587207 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

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<400> 5402	
gatcaaggaa	ggactcaccg taatcacttg cttaaaaaga acacttaagc aaggactgaa 60
agggagtgaa	gatgtgagac aaataggtat ctggaggagg agcgttccag ccaaggaaat 120
gcccagtgct	ttggactcat ggcagaaatg tacttgagta ttctaggacc aactgggaag 180
cccatggaag	ccagagtgga ggtcggggag ggagcaggag gacacagagc caaagccttt 240
ctgaaccaag	agggacagga attgggtgac cgtaataaac ttgtaatttt ctgcctccag 300
gattcagagt	ttggttgagg aaatgtcttc ttgctttcag ctgctgttaa catatcgggc 360
ctggttttct	acctcatctt tggccgagca gatgtgcagg actgggctaa agagcagaca 420
ttcacccacc	tctgagcaaa ccgagagatg tgctagatcc tgggtgcttag ttcattcattg 480
ttttccctca	cagacatttc tctttcatgc ctgcttgact gataagccat tagctagacc 540
ctgactatgt	aacgctaaag attttacat gcctggaaat ttacagggg aagaaaacac 600
gctagttatt	taactgcaag ctactaaaag cataggtgtg ttgag 645

```

<210> 5403
<211> 745
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (273)...(349)
 <223> similar to gi5102894 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5403
 gtcactcttt ttgttctggc gtgtcatgtg gtacttttagg tagcttcaca ttttatgttc 60
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 aaatgtacag aattctttgc ctcttgatcc tggaggacta gtgactttcc agctctgaga 180
 gagaacagga tccctctgcc aatttttttc tgtggtgtaa ggcagagcct ggtcactcca 240
 tctaagtctg tctatctcat ctcacgtata ggagcgggat gctgcactcc aaccctgggg 300
 actatgcctg gggtcagaca gggcttgatg ccattgtaac ccagggtgag gagctgcctt 360
 ttgagggtgt ctgttcagtg tgtctcatgg ttccacaggc ttctgcttt ccttctgcta 420
 ctttctgaaa tggcagtcac tctgctttct ctaatatattt gagctttggg gtttccattt 480
 tactaaaggg atgaatgatt tatgggggta gctcagcatc catgcacttc ctaggctctga 540
 ggggaatttct agaagatggt ttcacctcca taggaagaaa agacttctat aacaaatagt 600
 attttgtatt tttgtctctc ttgctcaggt ctataaggat tctattaaca aatatttcac 660
 aaaaaagga gggtttctct acatgttgaa gcagggattt ctgctagatg gagcaaagta 720
 ggggaaggaa gcagagaaaa aagta 745

<210> 5404
 <211> 3043
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(3045)
 <223> similar to gi4589634 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5404
 gaggaggagc tggagggggc gcggcttctt ctcggtcgct ccctggcgcc gggcctcttt 60
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 gcgggcccgc ggtggcgggg gccgggcccgc ggctccgggt gttaggagac aagatggcgg 180
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 cctctctctg ggtctctctc tctctgtttg ctgcctctct ctctctctgc agcagcacca 300
 gcgaccgccc aagcgccggc tgcctcaccg ggagctccgg aggtggatag acggggcagc 360
 tgcaggctcc ggcgaccgag gccgagctgg ggcggggcg gggacggcg cgggcgggc 420
 ggcgacggcg gcggcgccgg gtggggatgg ggtcgcagac gctgcagatc ctccgacagg 480
 ggggtgtggc cgcgctcagc gggggctggt actacgaccc gcaccaggcc accttcgtga 540
 acgcgctgca cctctacctg tggctcttct gctgggccta cccttcaccc tctacatggc 600
 ccttccttct accatgatta tagtagcagt ttattgtcct gtgatatctg ctgttttcat 660
 tgttctgaag atggtcaact atcgactaca cagagcactt gatgctggag aagttgtaga 720
 taggactgca aatgagttca cggatcagcg aaccaaagct gaacaaggca actgttcaac 780

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ctctgatgag	atgcacaacc	agagaggtct	cagcacctct	gcatctgaag	aagccaataa	1920
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gtcccgcgcc	ccttcccagg	ctgcagtgtc	cagtgtcagt	gcctccttgc	tggtaagttc	3000
tcttctacgc	tgtatgagac	tgggtggctgt	gatatgtcac	ttg		3043

<210> 5405

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(464)

<223> similar to gi854737 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(236)
 <223> similar to gil787326 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5407
 taccggttaag gactgcaacc cgcagcccg taactgcctg aaagatcaat acgtcttacg 60
 ccattgctgc gtggatgatc ggtcgggcaa aatgggttat tccgtaaaat ttcttgtttt 120
 aacaaggatg gacacggaaa cggcctcatt attccactgc aagccttggt atagcaagat 180
 gacttttacc atttatcacc cgcttactca cagttttttc acttcttgct ggtgattggt 240
 ttaataacca tcaataaagt gatcacgcag tgaagtaata aggtgcaaaa gttaaataaa 300
 gcatagaaaa at 312

<210> 5408
 <211> 788
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (738)...(133)
 <223> similar to gi2293468 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5408
 tttttttttt ttttaaagggt aagagcactt tattcttatt tgaaccacac tgtattgttg 60
 attaccgagt gtgaaggtag tatgttcaga gtcttgtttt atgcctttgt agctgtgttg 120
 ccagcatttg aaggtaaactc ctccacataa gcggcaggaa aatggccttt tttccattc 180
 aaagatccaa accaccatcc ttctttcttt ttctcgtgta taatcacaat gtcacccttt 240
 tccaaattca actcatcatc ttgcctggct tgaagaagaat acaaggcctt gcaaagtctg 300
 ctgctgagct gggctgcacc aggggctgga gttgaagaac ctggattgct ctgccacca 360
 gaagatgcct tgctcacaat attctctaatt ctcttcatta aaaaaggccg agatattttc 420
 acatagctat gagtatgctc cttttccctc cacctgaaga tggaattact acaaggatgg 480
 ctgggttgag gtctttgctc aagttctgct aacattgatg acagtttgta ggagttcgct 540
 tccaaaagggt ctagtttcaa attgtttctca tccattaacg ctgctgtgct tttctggctc 600
 tttgcatcag agaaggagga ggtgctggag tacgttttaa gcattcgctc caggccttcc 660
 ttgtcttttg aggctttttc aatgtctctc tgcagtctca ataatttttg ttttagtaaa 720
 gactttcgct tctctttatc cattgcactg ttaggatctt cttcaaagta atccgttaac 780
 aggaactc 788

<210> 5409
 <211> 415
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (2)...(180)
 <223> similar to gil419564 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5409
 ctacagcttat gaaggcctca caagctcttg ctttaacaat ggccctgggct ccagctgtgg 60
 ctttggcagg gcctctggct tcttcagctg taccagctcc tatagggccca tggttgtgag 120
 gaagatcaag acctatgatg ggaagccaat gttcgagtcc tctgatgcac tgcccaagtg 180
 aatggctgta gcagcccctc ccaacctccc ctctctgtgg ctgccccaga gcctgtgagg 240
 gatgctgcag tacaggggag cataggggaa aggagatcca tctgaggctc atccttacct 300
 ctacagccac ccttgtnnga aggttttatt tgcattggagt acccccantt tgccatttgc 360
 ccccaacaaa tttattttgt attttttccc aaaattaaaa ggncttcagt ttagg 415

<210> 5410
 <211> 957
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (958)...(448)
 <223> similar to gil79475 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5410
 ttaagtaaca aatattgaaa aatttcattt gtacagttta tggtttttaa gaaaccatcc 60
 tgaataagct caagttatag ctaccagtta tgaatttata aagttttatcg tgacctttat 120
 tataattaat atttgtatta atcatcacat attattatat ataagatata aatttaatat 180
 aactatctgg taattatacc tatgtttact aacaatttta caactgctgg ctgcagcggg 240
 cgcactgaca ttcattttatt attacatttc ccattttgca aaatgttttag aggaacttcc 300
 cttccaattt gtcagggtgtg accccatgac ttgcatgtct ctggggacac tctgggaaga 360
 tgtcttcata gataagagct cagataaaca tgagacagaa cagtcccaaa atccctcagc 420
 atgccccagc cctcagggga gttcctactt gtttatgaat ctgtccatat tatagctcgt 480
 tgagtagaga aattccagga tcttcctgca tggatttctg atcagaagag tgggtccagag 540

tgagctgtca	taatacactt	cttcttggcg	cagagctccc	cctttgatga	tctccagggc	600
acattcctcc	tttgagctg	cttgcataatg	gactatccca	gaaactgcct	tcatggctgt	660
ttctgtgtct	atgaggccaa	gaacacagag	agtgattgat	acattgaccc	tggacactga	720
atattccttt	ctgatggagg	agaagaaccc	atccaaagca	aacttgcttg	cagaataggc	780
agcaaccatt	ggataagcca	ctttcccagc	cagagaggag	acgacaacaa	tgcttccatt	840
gctctgcttc	agcatgggca	aggcagctac	agtcaggacc	acgtaactga	ggaagttgac	900
ttccatgctt	ttgcgcacat	ggtgaatatc	atcatgaaaa	agattcaaag	aagtgtt	957

```

<210> 5411
<211> 1316
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1317)...(22)
<223> similar to gi5924316 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5411						
aaaaagacaa	aagcaagtat	ttatgaaagt	ccatcagatt	cctcagtaaa	gctgaagtca	60
cacactagag	acaggtggtc	tgaaggataa	ttgaagggaag	gtaacctgtt	gggtccaatc	120
tgttcttcag	tgagcagatc	gagagctgac	cttacattta	gagcatgttt	agaataccag	180
atgtaatcca	gggtgtgcct	gcactcccct	gaggtccgga	tcttccaggt	agtgtatggg	240
ggttctgact	gcccatacgc	actcagcagc	ttgtaggcgc	tggtcagggt	gaggctggag	300
gaagcaaagt	gtttgtagac	ctcttctgtt	ggctctgcat	tgaagtcccc	acacacaata	360
aggggaatct	tggtccttgc	ggtgatgttt	tgcaggttct	gaaggagggtc	acagccttga	420
gctgatcgaa	accgctccca	gccagtgcgt	gcttttagat	gggtaacagc	gatgcagaac	480
tgtcggcctg	actccttgca	ctccagggtc	tgtgcaatgg	ccacctgggt	ggttttcaat	540
gtcatggctg	tcagcctaata	attggcactg	ttgactagct	tgaatcggtt	ttgaagaaaa	600
aataaggcac	aaccatctgg	tccattgttg	tgttctacat	ctagacaagg	tgaccagggt	660
ttggggaaaa	acgtgccttg	atagcctagt	ctactgagga	gtggctggaa	ggtgtcaaaa	720
tagtggtcca	cctcttgag	gcacaatata	tcaggctggt	aggccaggat	ttcttccagg	780
atgagacatt	tcctttcttc	ccatttgagt	gcttcaacag	ggcactgtac	aaagttgtct	840
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gtactagggc	aatctgtcct	cagatccaca	aaatccctct	ggaaccgggg	aggtcggtg	960
tgcaggacgg	ccctgcattc	ctcaagaagc	tctttaggat	caatgggctc	cagatgctct	1020
gggtcagggtg	acaccaaata	ctctgggtgc	tgggaggcag	cgctgctgtt	cagtgtcttg	1080
gcgagaccac	tatagagtct	gcttgtagcg	gttcccatgg	aacacactgt	tcgggaacac	1140
gacctcgcg	cgcccagggc	cgccgaggcc	gccgccagca	gccgggggga	tgcgggcctg	1200
ggaacagcag	ccggcgggga	caacgggcgg	cgcagccctg	gggcgggcag	gcggcgagcg	1260
ccgggcgcgc	ccctctgcag	cagggccgag	cagagccgcc	gcggactatg	aaacat	1316

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<210> 5412
<211> 1382
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1231)...(296)

<223> similar to gi3882239 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5412

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aaaaaaattg	ttataaagtt	atttcttctg	atatggagtt	tcaaagcatc	taacataacc	180
gcttcagaat	ctccacagtg	caaaaataaa	caacatgcat	acacttaaga	actttacatt	240
ctttgaaaaa	caatacaaat	tggaagaaa	attagtatgt	gatcaaagag	agtcagagct	300
caagtctgaa	ctttgccaat	aaaggcagat	gatctgaaga	gttattttcg	tttggaagtc	360
cattaacagt	ccataagtct	tgttctgtaa	gaagtgcag	tctagctaga	agtttcaagc	420
caccaaccaa	agcaacttca	gctcctgggt	gccagcaac	atcttccttt	tctgcagagt	480
agaaaatata	atccacagtt	atggcacttc	gggaatgaca	ggtggtcact	tctggaattc	540
cagtgtcagg	aaagtaatgt	gaataaacag	atgacaaact	gaaatggtgc	tgtaaatttg	600
aagacaattt	ttcagctgtc	actaggacct	ctgtttgctt	cagctgtggt	tgtgtcagat	660
cactgtctgt	cttttctact	tttggtacct	gctgtacctc	atacacacag	ttctgtgaga	720
tacctaggtt	tgggggccaa	attggaatag	ataaaattct	ttgtccccgt	gaagactggt	780
cctggccaga	tacctttcct	atgggaagtc	cttcataatt	caattttcct	tcctttatga	840
aactatatag	tggagaacca	ggaacagaat	taaagtcacc	acacataaca	atagggcaga	900
agctgccatc	tttctggtgg	gcaacactgg	aaatctctgc	cagtagcatt	gccaattgcg	960
tcagcttaat	atcacctcgc	cttggattat	acaacagatg	cgtatttgct	acgcagattg	1020
cagggcaggc	agcatatgga	attttgggct	gtaagagtaa	aactaatcca	acattgtctc	1080
tgtccaacag	agaaatatca	gggcggaaga	attccactgg	gttcaactgac	aagagtgaaa	1140
atttggaatg	tttgaagcaa	atagcacagc	catcaggttt	ccttctgtgc	cgcatcttat	1200
attcacagtg	ataacctaca	agaaacaaat	gaatttaaaa	caaagtactg	cttttatata	1260
tttatcaaaa	cacagctcac	gtgatacttc	tgaacaatgt	ttaccaaaact	gtattctgca	1320
aaacattagt	aatgtaggat	gtcaataaac	attggaataa	aaaacgtttg	acactgggtc	1380
ta						1382

<210> 5413

<211> 3450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3451)...(1345)

<223> similar to gi899298 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5413

caggggtggtg	aactaaaaaa	gctggttcct	gtgaaccttg	ggaaatggtc	tcaccctct	60
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aaggcactgg	gaactctcag	gggccacaca	catgtgagat	cttcccaata	aaatcagcct	180
tagctttaa	accaggaaat	tgttagcaac	aggctctcac	cttctccaa	cacccacagc	240
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ccaggactgt	gacgtgtttt	gcacacattc	tcttttctact	ttcacagtgt	gtgactatgg	360
catgcaactt	atgttctctg	tgccctcagtt	tactcaagtg	ttaaacagga	atactcacat	420
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tttatcaa	ccttggtaca	tgacctta	acaattaagt	atgtgttaaa	tacatacatt	540
ttaaagaaac	gtcatcatat	ccacacacct	atgaggcacc	tgcccaggac	cacagagcca	600
atcaatcagg	tgatgagtga	ttccaggcca	gcaggaaacc	accgcccact	gacacaggga	660
ctgcaccatc	catccttggg	ttgcatgggt	cctgccatgc	ttcctgtatt	actgttaaat	720
acatggggca	ggcctttgga	ggatcccaat	gttttaaaag	ggcaatacga	atatgattct	780
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ggctgagata	gagggaggat	cagcaatgaa	ctcaaaactca	ggaggaggct	ctttgggcac	3300
gatggtctct	tggattactt	gggcttggac	cttctggggc	agctgctgct	gggtgggtctg	3360
ctgctgctgc	tgcatgacct	tggggatggc	ggcggacggc	tcttgagcct	tcccttctct	3420
gaactcgctg	accttgtggc	ggtagtaggc				3450

<210> 5414
 <211> 1927
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(1753)
 <223> similar to gil230668 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5414
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 aagaagaagt agctgatttt cagctttctg tggattcttt attggaaaaa gacaatgacc 180
 attcaagacc agatattcaa gttcaagcca agagactagc agagaagcta agatgtgata 240
 cagtgggtgag tgaaatcagt actggtcaaa ggactgtaaa tttcaaaata aacagagagc 300
 tcttaacaaa gacagtgcta caacaagtaa ttgaagatgg ctcaaaatat ggattaaaaa 360
 gtgaactttt ctctggactt cccagaaga agattgtggg tgaattcagt tcacctaatg 420
 ttgccaaaaa atttcatgtt ggacatttgc gttctaccat cataggaaat tttatagcaa 480
 atctcaaaga agcttttagga catcaagtaa taagaataaa ttaccttggc gattggggca 540
 tgcagtttgg tcttctggga actggcttcc agctgtttgg ctatgaggaa aaactgcagt 600
 ccaatcctct acagcatctc ttgaagttt atgtacaagt taataaagaa gcagcagatg 660
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 aagcactttc actgtggcaa aaatttcggg acttgagcat tgaagagtac attcgggttt 780
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 gtgatgggac ttctctctat gcaaccagag atcttgcagc tgctatagat cgaatggaca 1020
 agtataattt tgatacaatg atatatgtga cagataaagg acaaaaaaag cattttcagc 1080
 aagtattcca aatgctgaag atcatgggat atgactgggc agaaaggtgc cagcacgtgc 1140
 cctttggagt agtacaggga atgaagactc gaagaggaga tgtcactttc ctggaagatg 1200
 ttttaaatga gattcaatta aggatgctac agaacatggc ttcaattaag acaactaaag 1260
 aactcaagaa cccacaagag actgcagaga gggtcgggct cgcagcactc attattcagg 1320
 acttcaaagg tttactctta tctgactaca agttcagctg ggatcgtgtt ttccagagtc 1380
 gcggggacac aggagtcttc ctacagtaca cacacgcccg cctccacagt ttggaagaga 1440
 cttttggatg tgggtacctg aatgacttca aactgcttg tttacaagag ccacagtctg 1500
 tttcaattct tcagcatctt ctcaggttcg acgaggtgct ttataaatca tctcaggact 1560
 ttcaaccag gcataatcgtc agttaccttc taactttaag tcatcttgca gctgtggcac 1620
 acaaaacact ccaaatataaa gatagtcctc ctgaagtggc tggggccaga cttcatcttt 1680
 tcaaaagctgt ccgttctgtc ctagccaatg gaatgaaact tcttggata acacctgtat 1740
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 ccctttttaa agaatacaat tttactgccg ggggcgggga gagtaatat ttttttatgg 1860
 ggccaccaaa ttaaaattgg ggggcggggt taaaaacggc ggggagggaa aaacccttgg 1920
 ttttccc 1927

<210> 5415
 <211> 2725
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(109)
 <223> similar to gil469866 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5415

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ttctttctgt	tgaagaccag	ttctgagggtg	aagctgggca	cccctgaccc	aagtcgggggt	180
gcactcagga	ccacagggca	gggctgggtg	gggcgccacc	ttgctctctg	tatatagaaa	240
agctggagct	tattctgcga	atggagacga	tcaaaccatg	actgatgaat	ccagacagga	300
gggattgact	ctgaggacct	gagctacatc	aatccactct	gtgaacatct	cagttacctc	360
attctgcaat	aagttcagtg	actgactaaa	agtcttggtt	ttccagactt	tgaattgaat	420
atataaatat	tatatataca	tgtttcttgt	aaatatccca	ttttgaatgc	atacctgtgg	480
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tcccatgccc	gcatccaccg	gaagcagaag	cctgggtgat	gcctgggttcg	ttccgcagca	600
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ttatacctgc	agagatacac	ttcagtccca	ttcagaagtc	ttctcttaaa	gcagcattac	720
agtcccagac	ctgcggggtt	ctgaggggcag	cttgctggct	gacagactca	gtcttgacct	780
caaggaaggc	ccatacggca	ctgccgcac	cacctagagg	tgtttgctct	tgtccgctgt	840
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ataggctagt	tcagtaacaa	caaaatacac	tgttttgtct	tcctcaaag	agagatctta	960
ctagaacctg	taaatagaat	gtattattta	ttataagtca	ctgcagctga	tgaaaacaga	1020
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cataagcagg	gaacgtttcc	cccactgtgt	tccagtgcag	aggagacgaa	gcctgtcctc	1260
accgcggctc	gctgggccc	ggctggctct	ggaaagcctg	tgcggtcctg	ggcaggaagc	1320
ccggcccgtg	gagcagggtt	tcgttctgct	tcagcaataa	ataagggtga	ccacagggac	1380
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aacaactcat	tgcgcatcag	atgtgactct	ctgattttct	gtctattggc	caaattgccc	1560
tttaactgca	cctgaatcct	ttgtgtactg	atgcctttga	gctgggcacc	ttgggagagt	1620
gttgtgttgc	tgtttacggg	tcttccttgc	ccttgctaat	tacagtctct	ggtgcccagc	1680
aagccccttt	ggcttccttc	cgtgactggt	cacgttgtct	gcctgggctc	agcgtggacc	1740
tgccccatgc	tgcagaacct	ggcctcacct	ggacttttca	ctagaattgc	cagcttcctc	1800
aactatgcag	atcattcact	catgcgggca	caagcaaaga	tcaacacttt	cttttttggt	1860
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gttgctgtcc	gagtccccag	gacggatctc	ctgcagacct	gccttaatgc	tcagatcgaa	2100
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ggcctcatgt	tacggcattg	ccttttcttt	ctgtggatcc	agtatcttcc	tcggcttttt	2220
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aactgtgtct	gtttcacctg	gtgacctccc	aagggggtgg	gaacttgata	taaacgttta	2340
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tagcatcaga	agctcgttcc	ttcacactca	gtggcgtctg	tgcttgtcca	catgcactgg	2520
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tcacttctct	gggacaccca	gggcgcctgt	tgacaagtgt	ggagaaactc	ctaattttaa	2640
tgtcacagac	aatgtcctag	tgttgactac	tacaatgttg	atgctacact	gttgtaatta	2700
ttaaactgat	tatttttctt	atgtc				2725

```

<210> 5416
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (416)...(161)
<223> similar to gi2257540 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5416						
cccacgcgtc	cgggactatc	tttgagttca	tcttgttctg	aatgtgagtc	tgagtctttg	60
tttccagatg	acacagtgtc	gtctgagtc	tctgaatcac	ctgcctcaga	actgcagcaa	120
agtttctgct	gcccagaaac	tgaatgggct	gcttgtaatg	cagattcttc	ctcctggaca	180
agaagtgtctg	ctgcttctag	ttcttccagt	tctaacccca	actgggcctt	tgtaagggag	240
acttccttta	aggcttctgc	aagagctgcc	aacgttttgg	atttgacttt	ctgagtccac	300
acacagtagt	atgagatgta	gagatcattc	agtatgtatg	cctgggtcgt	ttcctgaaaa	360
attttgtgaa	tatccaggag	acactttaaa	actgcacttt	tacttaattg	cagg	414

```

<210> 5417
<211> 896
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(435)
<223> similar to gi5262621 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5417						
accgggtcga	cccacgcgtc	cgcagtctcg	ccggcctccg	tgccggggca	gcgccgcttg	60
gcatcacgta	acggggacct	gaatttacag	gtggcgcccc	cgccgcctag	cgcccacccg	120
ggcatggacc	aagtgcaccc	ccaaaacatt	ccggattccc	ccatggccaa	cagcggaccc	180
ctctgctgca	ccatttgcca	cgaacgtttg	gaggatacgc	atttcgttca	gtgcccttcc	240
gtccccagcc	acaaattttg	cttcccttgc	tctagagaga	gtatcaaggc	ccagggggcc	300

accggcgagg	tgtattgccc	cagcggagag	aaatgcccc	tagtcgggtc	gaatgtacct	360
tgggccttca	tgcagggcga	aatcgcgact	atcttagctg	gggatgttaa	agtgaaaaag	420
gagagagacc	cttgaaccac	tgggcagcca	cctcctttgc	cctagaccag	ctcctctcca	480
atcctgaggg	cccccccc	aacccaactc	gaccctccct	cccctcacc	ccaaggtgta	540
gaattgtgaa	tataacgaaa	ctgcaaaaag	ttagtcttat	gtatagacat	tattttcgtc	600
gtatgtttct	atattttgaa	acaaagggtat	gtaacttctt	catttgaagg	ataagctggt	660
ttgtgttaag	cagtatagta	ttggttgggt	catttgcata	atatcgttag	catttatattg	720
gtggcagaat	gtttgcctag	gtacagaatt	aatagccctt	agcaacgact	gctgctggtg	780
tgtatttttg	taaattgttat	gcactctctg	aaaggaaaaa	cacacacaaa	agaaaaagac	840
tttttttttt	tttttttttt	ttttccaagg	cccagggttg	ctgcctaaaa	aaaaaa	896

<210> 5418

<211> 6398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(2354)

<223> similar to gi5081652 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5418

agaccaacaa	attcatcaag	gagctcatca	aggacgggaa	gtcactcata	agcgcgctca	60
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gcataggaga	tgcagaaaca	gatgatgaga	tgtgtatagc	aagatctttg	caggagtgtg	180
ccactgtcct	caggaatctt	gaagatgaac	ggatacggat	gattgagaat	gccagcgagg	240
tgtctcatcac	tcccttgagg	aagtttcgaa	aggaacagat	cggggctgcc	aaggaagcca	300
aaaagaagta	tgacaaagag	acagaaaagt	attgtggcat	cttagaaaaa	cacttgaatt	360
tgtcttccaa	aaagaaagaa	tctcagcttc	aggaggcaga	cagccaagtg	gacctggtcc	420
ggcagcattt	ctatgaagta	tccctggaat	atgtcttcaa	ggtgcaggaa	gtccaagaga	480
gaaagatggt	tgagtttgtg	gagcctctgc	tggccttcct	gcaaggactc	ttcactttct	540
atcaccatgg	ttacgaactg	gccaaaggatt	tcggggactt	caagacacag	ttaaccatta	600
gcatacagaa	cacaagaaat	cgctttgaag	gcactagatc	agaagtggaa	tactgatga	660
aaaagatgaa	ggagaatccc	cttgagcaca	agaccatcag	tccctacacc	atggagggat	720
acctctacgt	gcaggagaaa	cgctcactttg	gaacttcctt	ggtgaagcac	tactgtacat	780
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ggggagaaga	tgaatcagtt	atcctcaaat	cctgcacacg	gcggaaaaca	gactccattg	900
agaagagggt	ttgctttgat	gtggaagcag	tagacaggcc	aggggttatc	accatgcaag	960
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gcataatcag	gaaatgcata	catgctgtgg	aaaccagagg	gatcaacgag	caagggtgtg	1140
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aagccactgg	ggaaaactcg	agaagaaagg	gagtatacta	gtaggttaga	tctgtgaacc	4980
tgaggacaag	aagaccttgg	gaaatggagg	cctcagggga	tgtgcattca	catactatta	5040

```

cgcttctcaa agagagacca acatcatgct tttaacacat ttgatgaggt tttttatttg 5100
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cgcgatcttg gctcactgca acctccgcct cccgggttca ggtgattctc ctgtctcagc 5220
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gggaaatggc atgagcccgg gaggcggaga ttgcggtgag ccaagatcgc gcccctgcac 6360
tccagcctgg gtgacagagc cagactccgt ctcaaagg 6398

```

<210> 5419

<211> 958

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (70)...(710)

<223> similar to gi2914017 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5419

```

aaatcgaatt cccgtgtcga cccacgcgcc cgcgccattc tctaggagga ctgagcagat 60
ggtgggcagg tccgtgtggg cagcaagatg gactttgctg ccgtggatga gaatggaaac 120
aatgctcttc atcttgctgt catgcacggc cggctcaaca acatccgggt tctcctgaca 180
gagtgcacag tggacgccga agcctttaat ctgagaggcc agtcaccact gcacattttg 240
ggacaatatg gcaaggagaa tgcagcggcc atctttgata tcttcctaga atgcatgccg 300
gggtatcctc tggacaagcc ggatgcagac ggcagcacgg tgctgctcct ggcatacatg 360
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aacaaccagg gagtcaacat cttcaactac caggtcgcca ccaagcagct cctgttccga 480
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tgccataaat gctcgaccaa ggagattcct attataaagt ttgatctgaa caagcctgtg 660
cgggttttga acatttggtt tgatgtactg actctgggtg gggtttctta gtgagcccc 720
cggagggtcc aggccacgtc cttggtcacc tcccagcag ctgctctgct caccagcctg 780
acccacccca gagcaggagc tggcgggtgt cttcctgcgg caatagactg gaacgattaa 840

```

```

ggaccatggg gtgatagatc ccatttcaaa tgattccata tgattgtcag tgtgtgtgtc 900
agactgtgat cgatttcact agatgtctca ctcatcagac caggccattg ggcctaag 958

```

```

<210> 5420
<211> 1087
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1078)...(630)
<223> similar to gil213535 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

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<400> 5420
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atgccacagt agccctagtg ttttaagtgt gcctctcaaa cttgtcctct ttccagcatt 180
ctcctctctc aacctgccac tcttgaaaac tcaactttct tttgcatttt gttctacatg 240
tgaaaaatat ggaactcaag taagacccaa ggtagatccc aagggttca gaaataccct 300
gtcaagggca cagaatgggt agcaatagag tccctattta aggtcaatca tcgttaataa 360
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ttcacaaaac aaacttttct aaaacttctt accagtaaag gatatagctc acattaatat 480
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acatcccca aaggtaatcct agccatctcc tgcataatth ttctataata cttctgcaca 600
tacacagcaa atggtcacac gtggggcaca atacgggtcc catctttctg agttaatggc 660
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gtgtagcagc caatcctcgt tttgcatcca gtacattcat aatggacctt gtagttaatc 780
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tttttat 1087

```

```

<210> 5421
<211> 2372
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (2373)...(1498)
<223> similar to gi3850564 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```


<400>	5421					
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cccgcggtca	ggcccatca	gggatgggtca	cagtccagcc	acaggggcga	ctctgcccat	360
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cccacagcag	accagagtcc	cgtcctcacg	ctgcacagtg	ggtgatgtga	gtttcaaaac	1080
tacgcctcca	gaccgagaaa	ccctcccagc	tgtcagcaag	ccgtggcgcc	gagctgccgg	1140
gcacctgctg	gctgctctcc	agtctcaagg	agctgggaca	gcgggcatgg	ggaggagctg	1200
gcctcgagcc	caaaggctcg	agggagccag	gcagggccca	ggagcacccg	gcacttcccg	1260
aagccggact	ctgtagagga	cgagcgtgga	gggtctttcg	ggtgggggca	gccccagctg	1320
tgtgccccga	ggccccggga	agtggggacg	ggccgaggag	ggagccagga	gcacggcctt	1380
cctcctgggt	gtctccaagg	ctgggcttcg	ccgcgcagcc	tggttcacgt	ggggccgagg	1440
accgcgtctc	caggcggtc	cagcaggcag	cacgggctct	cggcagggcc	tctgccctag	1500
acgtgctcca	tctccgggtc	cgggctgggg	tcctctctct	ctctctctct	gtcttctctg	1560
tcgtcgtcct	cagcgcaggc	cttgtccagc	ggcgccctcc	cgtcacgggc	cagctcctcc	1620
acgtgcgcca	gcatgtcggc	catcagcgcc	tcctccagcc	gcttcgcgac	ctgctgcacc	1680
agctcttctc	gcttcatgat	gtcctcgtcg	gtcaccatga	aggctttgca	caggggctgc	1740
gtggtgttga	gccatacgcc	ggggttcttc	tcacggcg	ccgagagctg	tcctgtgatg	1800
ggcatggtgc	tagtgtgcag	ggcgctggcg	atggccgaca	gcagcgtctc	atccgtgcag	1860
ccagggtcca	ccccctgcag	gcccttgggg	aggcccatgg	tcctgaccag	ctcctcagca	1920
atgtcgaagg	cgttcaggcc	gctcagcttc	ttctcccaga	agagctggcg	cggctgggtc	1980
accgccttct	gcgggtcgct	cttgaccttg	ttgctggggt	ggttggtaat	cttggtcacc	2040
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cccttgacct	ggttgaggga	gtcgtagcgc	acgcgtggc	ggctcttggt	catcttgctc	2160
atcagcatct	tgcccgtgcg	gaagtccaag	gtgctcaggt	ccatggagcc	gcccaggtag	2220
cgcgccagct	gcggctgtgt	cggaaccttc	ttcccgtcgc	ggctatagta	aaagacatcc	2280
ctgtggccgg	ccgacagccc	cgacctctgc	ggcacttctt	ccctctccca	gccttgccgg	2340
agcgccgggc	actcccacct	cttccgctcc	at			2372

```
<210> 5422
<211> 1799
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1801̄)...(1052)
```

<223> similar to gi4972684 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5422

gttaattttg	gttccttaaa	acgccccccc	cctttttttt	ttttttcctt	cctttttttt	60
ttttgcgaga	caggggtctca	ctttgtggct	caggctggag	tgtactggca	cgttcttagc	120
tactgcagc	cttgaactcc	tgggctcagg	caatcctcct	accttagcct	cctgagtagc	180
taggactaca	ggaatgtgcc	atcatgcctg	gctaattttt	aagttttttg	tagagatggg	240
atctcactat	gttgcccaag	ctggtttcag	attcctgtgc	tcaagggatt	ctgctaactt	300
ggctcccca	agtgtctgga	ttacaaatgt	gagccactgt	atctggccca	tattcttttt	360
taagaaaaga	tgcagagggtg	ttaaatatta	atatcaaatt	gtccaggcat	ggtgtttatg	420
aaattgtgtg	ccctctgaca	ggcaaccaaa	cacacacgac	ttcatttctt	tattaattcc	480
tgcctcatca	tcttttctca	ttgatgctcc	ttaatgtcaa	aggaatctct	ctctctcaca	540
cacacataag	acaaaaacaa	atatcttgaa	catgcaaaaa	aatagtctac	gcttttgaat	600
agtgtgcact	gttgaatagt	gtgcactggt	ggatagtgtg	cactgttgaa	gtgtgatgtg	660
cctaaggcaa	caggatcttg	ggaaagctct	agatttttgg	cttcgaaata	aaactgcatg	720
ttgaatagca	ggtttttaca	tttattattg	ttgtgtattt	cctccccctt	ttgcaatact	780
atctacgctg	agttatctat	tgccaaactag	caccaattct	ccaaatcaaa	gtgtgtgagg	840
aaaacacact	cgtgcaatcc	tctttaacag	aagatacacc	aagtaacctg	tctgtctact	900
tctgttaccc	agaaataaaa	gaacttgaag	ggctgcttgg	ctgggagggg	gtcccgggtg	960
gggaagaggc	atcctgccct	cagtcgggaa	tccatggtga	acagctggat	gtcctgtgga	1020
ttccagtaca	gggccgactg	gctgagttgt	agacaagaga	ccagacatag	gggataaaaa	1080
actcctcggg	ctgtctctct	tccacatatt	tgaatttcaa	ttctggaaat	ttcttcagtc	1140
tgtctttggg	cagcgcaacg	acgccttgct	taatgatthc	caggacccgt	tccactgaca	1200
gctcagctcc	agcttgacgc	aaccttgagc	taaagaagga	gatcaccaga	tcaatattht	1260
gcattatata	ctgaaatgaa	ggatgagttc	gaaattgttc	aaagagatcg	cgtttgtaaa	1320
gcagggcgta	taccaagttt	gggttgtggt	gaagggaatt	tgtcaggcag	gagttgatga	1380
tctctaaca	cattcgaatc	acttcttcaa	tgacatttag	gtcttgtgca	taatctggta	1440
gaggaacatc	attagaactc	agcgaacctc	tcaaggactg	tgtggcttgt	tccagaactt	1500
tgttgtgttt	tttagacagc	aaagaaaata	aactgatgat	cctctgggca	gcatactgat	1560
ggagagaacg	aaactgtgcc	gacatatttg	ctaaagctgc	caaacaattt	gtgtcaaggt	1620
acttgtctcg	tgtcctagtc	atgttgtatt	gaatggttct	tattaccacc	aggatcagga	1680
gactcccca	ggagatttca	gttaaaactc	gttctgaata	ccaagtaata	tttttttagta	1740
tcacttcatg	aatggatctg	ttgaagccat	catcttccgt	aaggatcaac	aatattata	1799

<210> 5423

<211> 1255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (42)...(460)

<223> similar to gi4539001 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5423

cccaagctgc	ccatggggct	tctacggaa	gtttctaggc	cogtcaacta	gggtctctct	1020
gttcagcctt	aacaggtca	gcaaatacagg	gcgtggctgg	acgatttcct	tgcattctgag	1080
ggcagacgct	gctaccggag	tgacctggac	gtggccagat	cttctcgcag	gtcacaagaa	1140
gccagtgagc	ccttgccctg	gtttctggaa	gttcttttcc	ttggctggat	ttaccagtg	1200
gttaggttgc	atttctaccc	catccagaac	attcttggaa	gagcacccgg	agctgaagct	1260
gtccctgatg	atgaaggtga	aacgtcagcc	ctggccatgg	ctccgctcag	ggccccggctc	1320
acctccgagt	cactctgttc	cttgactgtc	tttgtgtttc	tgtacctcaa	ggcactgaag	1380
ctggaggact	ctgtccatgc	ccgtgtcacc	ctcgtgtggg	agcctctggg	ctcggcaggt	1440
ccacatttca	tgagctgagg	cgtgggccag	ggccatctgg	aaagggaact	cggcttttcc	1500
agaacgtggt	ggatcatctg	tccgggtgtgt	ggtgaacacg	ttcagttcat	cagggcctac	1560
gtccgggaa	ggggccccc	gctgtggctc	tgccatgccg	ggctgtgttt	gcagctgtcc	1620
gagtctccat	ccacctttag	aaaaccagcc	acttcttttc	ataagcactg	acagggccca	1680
gcccacagcc	acaggtgcga	tcagtgcctc	acgcaggcaa	atgcaactgaa	acccaggggc	1740
acacgcgcgc	agagtgaaca	gtgagttccc	ccgacagccc	acgacagcca	ggactgcctt	1800
ccccacccc	ccccacccc	ggagcaacgc	acacagttca	gcctctgagc	tggctcacac	1860
gtgccatccc	caccccggtg	ctccagggaa	ggaggacacg	gacccgacgt	gggaggtcct	1920
caggcagcag	tggcgccctg	tgtcaggtct	gtctggctga	gtcccgggcg	tccctgccca	1980
tggcctgtgc	cttgcatgga	ggcggcggtg	gcactgaaga	gatagctttc	aagggcccaa	2040
cactttgcac	ttcggtctgg	tgtgagtttc	tgtttttag	gttgtgttca	catttgcagg	2100
ctgcgggcag	tggcaccgac	ttgggcctcc	ctttctatgt	ggcatattta	tttatttaaa	2160
caccccagg	agttacgtgg	taacaagggt	gtccataaag	aggttgtctc	tatatactag	2220
aggcccaga	tggccaggcc	ttgggctacg	tctggcttgc	atggtctccc	aagggaatca	2280
gccccatcaa	caaagttcaa	atcggggcag	aggctgcact	tgtgccccca	gatgtttctg	2340
aggagccaga	ctagggctgg	cattgctgta	gagtgcggc	tgctgccccag	agcgtgtccc	2400
agacatcaca	gcggggctca	gcagttccca	cagcctctgc	ctgccttggc	taagcatgag	2460
ttaagcagca	aaacgctcct	ccatgtctgg	atggggccgg	caggctctgt	gtccccctgca	2520
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ctgagggtc	agctctgccc	ccgccctggg	ctgcagcctc	tgcacgcaag	caccaggcat	2700
cctttgtgtt	gtcaactccg	tgtaacccagt	aactacagcc	atttacaatt	gactccgttt	2760
cctttgttag	gtttccctgt	ctgtctgtgt	tagtagaaaa	ataaaatcct	atgaaatctg	2820
aaaaaaaaaa						2880

```
<210> 5425
<211> 1247
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(704)
<223> similar to gi2645856 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5425						
atttcattaa	agaaaacagc	tttctgccat	ttcaaattga	ccacatcagg	cagatggcgt		60
atcagatctg	ccagtcataa	aattttttac	atcataataa	attaacccat	acagatctga		120
agcctgaaaa	tattttgttt	gtgaagtctg	actatgtagt	caaataataat	tctaaaatga		180
aacgtgatga	acgcacactg	aaaaacacag	atatcaaagt	tgttgacttt	ggaagtgcaa		240
cgtatgatga	tgaacatcac	agtactttgg	tgtctaccgc	gcactacaga	gctcccgaag		300

tcatttttggc	tttaggttgg	tctcagcctt	gtgatgtttg	gagcataggt	tgcattctta	360
ttgaatatta	ccttggtttc	acagtctttc	agactcatga	tagtaaagag	cacctggcaa	420
tgatggaacg	aatattagga	cccataccac	aacacatgat	tcagaaaaca	agaaaacgca	480
agtattttca	ccataaccag	ctagattggg	atgaacacag	ttctgctggt	agatatgtta	540
ggagacgctg	caaaccgttg	aaggaattta	tgctttgtca	tgatgaagaa	catgagaaac	600
tgtttgacct	ggttcgaaga	atgttagaat	atgatccaac	tcaaagaatt	accttggatg	660
aagcattgca	gcatcctttc	tttgacttat	taaaaaagaa	atgaaatggg	aatcagtggt	720
cttactatat	acttctctag	aagagattac	ttaagactgt	gtcagtcaac	taaacattct	780
aatatttttg	taaacattaa	attattttgt	acagttaagt	gtaaatattg	tatgttttgt	840
atcaatagca	taattaactt	gttaagcaag	tatggtcttg	ataatgcatt	agaaaaatta	900
aaattaattt	ttctttttga	aattaccatt	tttaaatacc	tttgaaatat	cctttgtgtc	960
cagtgataaa	tgtgattgat	cttgcccttt	gtacatggag	gtcacctctg	aagtgatttt	1020
ttttgagtaa	aaggaaatct	tgactacttt	atattcttaa	aggaatatct	tttatatact	1080
tcaaatttag	aacttaactt	taaaagtttt	tcttctgtaa	ttgttgaacg	ggtgattatt	1140
attaactcta	gataagcagg	tactagaaac	caaaactcaa	aaaatgggta	ctggtagaat	1200
tctattaaca	tttaagggct	ggattctttt	tgattgggcg	acgtcat		1247

<210> 5426
 <211> 626
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (78)...(599)
 <223> similar to gi5304869 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5426						
tcccggtgctg	acccacgcgt	ccgctccttc	tgaaggaagg	agttccagca	actgatgtag	60
tctgtccgga	ctctcgctgt	ggccacgtat	tctgccgttc	ctgtattgct	accagtctaa	120
agaacaacaa	gtggacctgt	ccttattgcc	gggcataatc	tccttcagaa	ggagttccag	180
caactgatgt	agccaaaaga	atgaaatcag	agtataagaa	ctgcgctgag	tgtgacaccc	240
tggtttgcct	cagtgaaatg	agggcacata	ttcggacttg	tcagaagtac	atagataagt	300
atggaccact	acaagaactt	gaggagacag	cagcaagggtg	tgtatgtccc	ttttgtcaga	360
gggaactgta	tgaagacagc	ttgctggatc	attgtattac	tcatcacaga	tcggaacgga	420
ggcctgtgtt	ctgtccactt	tgccgtttta	tacccgatga	gaatccaagc	agcttcagtg	480
gcagtttaaa	aagacatctg	caagtttagtc	acactttgtt	ttatgatgat	ttcatagatt	540
ttaatatata	tgagggaagct	cttatccgaa	gagtcttaga	ccgggcactt	cttgaatatg	600
tgaatcactc	gaacaccaca	taattt				626

<210> 5427
 <211> 519
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)...(453)
 <223> similar to gi5712195 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5427

gcttaagcgc	tgcccagaag	gccaaaggtga	agcactcggc	catcgcggtg	gttgtcatct	60
tcctagtctg	cttcgccccg	taccacctgg	ttctcctcgt	caaagccgct	gccttttcct	120
actacagagg	agacaggaac	gccatgtgcg	gcttgaggga	aaggctgtac	acagcctctg	180
tggtgtttct	gtgcctgtcc	acggtgaacg	gcgtgggctg	ccccattatc	tacgtgctgg	240
ccacggacca	ttcccgccaa	gaagtgtcca	gaatccataa	gggggtggaaa	gagtgggtcca	300
tgaagacaga	cgtcaccagg	ctcaccacaca	gcagggacac	cgaggagctg	cagtcgccccg	360
tggcccttgc	agaccactac	accttctcca	ggcccgtgca	cccaccaggg	tcaccatgcc	420
ctgcaaagag	gctgattgag	gagtcctgct	gagcccactg	tgtggcaggg	ggatggcagg	480
ttgggggtcc	tggggccagc	aatgtggatc	ctgtgcact			519

<210> 5428
 <211> 1566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)...(690)
 <223> similar to gi3947712 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5428

aagaattcag	ggaaaagcaa	aaactacaac	gaaaaaagac	agagctcata	atggatgcta	60
tccataaaca	aaagagctta	caattcaaga	aaacccatgga	tgcaaagaag	aactatgagc	120
agaaatgccg	ggacaaaagat	gaggcagaac	aggccgctcag	ccggagtgcc	aacctgggtga	180
acccgaagca	acaagaaaag	ctttttgtga	aactggcaac	ttcaaagacc	gcagtagagg	240
actcagacaa	agcatacatg	ctgcacatcg	gcaccctgga	taaggtccga	gaagagtggc	300
agagttagca	catcaaggcc	tgcgaggcat	ttgaggctca	agaatgtgaa	cgaataaact	360
tcttccggaa	tgcatgtgtg	ttacatgtga	atcagctgtc	acaacaatgt	gtcaccagtg	420
atgaaatgta	cgaacaagtc	cgaaagagtt	tagaaatgtg	cagcattcag	agggacattg	480
aatactttgt	gaatcaacgc	aaaactggac	agattccacc	agcaccatc	atgtatgaga	540
atttctactc	ctcccagaag	aatgcagtc	cagcaggaaa	ggctacaggg	cctaacttgg	600
caaggagagg	acccctccca	attcctaaaa	gctcaccaga	tgatcccaat	tactctttgg	660
ttgatgacta	cagtttgtct	tatcagtaaa	atcaatgaaa	ccagagcttt	ttccggctag	720
tgcttctgtg	atatggaaag	ggcaccacga	gcagcaggac	ctatagccac	gttatgtcag	780
caatgaagac	tttgaagtga	acccttgcta	taatttttta	gagattttaa	atttatggta	840
gacatttagg	acaacataag	caagtagagt	tctgcagttt	tttgaagttt	acaaattgcc	900
ccattctgaa	gaattattat	ttcccagtta	ctcaggttat	gaatgaatta	ggttttcaac	960
atgggaagca	tgaatccac	ttctggattt	ggagcatcca	cttgaggagc	agaggtggca	1020
gcagaggatt	ctgagccacc	aactgcagta	gtggctcctt	tggctttggg	cagcctggct	1080

gtggagtttc	cacggcgaca	cacagcctca	gtgggtgcaag	attttaaatt	accttccttt	1140
ttggctggaa	gacttagaag	ccgcctgatc	atactttctc	attttacaga	tgaggaaata	1200
aagcctacaa	gtgtgaaatt	aatttcctta	cagttttcct	agctgatgag	ggacagaacc	1260
agaactagag	cctgagccca	acccacatca	ctattcttct	aacccttcct	gaagttgtga	1320
tgctcatgct	gaaattttaag	atgccaaata	tttttgccag	cactttttca	gttgggagaa	1380
tcaccagggg	ttaaattgtca	gattttat	tatgtggatc	cctgtgtatg	ctgaactaca	1440
gagcatgatg	tttaattctaa	tttaaggagc	cactgattgt	aaaacatgcc	attattttat	1500
gttgcactaa	gaaggtgggg	tcgaggaggt	gccataaac	ttgggacaga	ctattgatgc	1560
caagcc						1566

<210> 5429
 <211> 2546
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(942)
 <223> similar to gi4559312 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5429						
atgcggagg	gcgcgcttct	ggcgggcgcc	ttggccgcgt	acgccgcgta	cctggtgctg	60
ggcgcgctgt	tggtggcgcg	gctggagggg	ccgcacgaag	ccaggctccg	agccgagctg	120
gagacgctgc	gggcgagct	gcttcagcgc	agcccgtgtg	tggtcgcccc	cgccctggac	180
gccttcgtgg	agcgagtgt	ggcgggccga	cggctggggc	gggtcggtgt	tgctaagct	240
tcggggctcg	ccaacgcctc	ggaccccgcc	tgggacttcg	cctctgctct	cttcttcgcc	300
agcacgctga	tcaccaccgt	gggtatggg	tacacaacgc	cactgactga	tgcgggcaag	360
gccttctcca	tcgcctttgc	gctcctgggc	gtgccgacca	ccatgctgct	gctgaccgcc	420
tcagcccagc	gcctgtcact	gctgctgact	cacgtgcccc	tgtcttggct	gagcatgcgt	480
tggggctggg	acccccggcg	ggcggcctgc	tggcacttgg	tgccctgtt	gggggtcgta	540
gtgaccgtct	gctttctggt	gcccgtgtgt	atctttgccc	acctcgagga	ggcctggagc	600
ttcttggtatg	ccttctactt	ctgctttatc	tctctgtcca	ccatcggcct	gggcgactac	660
gtgcccgggg	aggccccttg	ccagccctac	cgggccctct	acaaggtgct	ggtcacagtc	720
tacctcttcc	tgggcctggt	ggccatggtg	ctggtgctgc	agacctccg	ccacgtgtcc	780
gacctccacg	gcctcacgga	gctcatcctg	ctgccccctc	cgtgccctgc	cagtttcaat	840
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ggcttggtg	tgccctggcct	gggactgagg	ggtccaggcg	accagagctg	gctgtacagg	1020
aatgtccacg	agcacagcag	gtgatcttga	ggccttgccg	tccaccgtct	ctcctttggt	1080
tcccagcatc	tggttgggat	gtgaagggca	gcactccctg	tccccatgtc	ccgggctcca	1140
ctgggaccca	acataacctt	gttctctgtc	ctttctctca	tcctctttac	actgtgtctc	1200
tctggctctc	tggcattctc	gctgcctctg	tctttccctc	ttgtgtctc	tggtttctcat	1260
tctctttcat	gttccgtctg	tgtctctcaa	ttaaccactc	gtcaactgct	gattctactg	1320
ggctgtgggc	tcagacctca	tttcaggcac	cagattggtc	gctacaccct	ggacaagtga	1380
ctgcccgtct	ctgagccttg	atttcctcag	ctgccaatg	ggaagaatag	aagaatttgc	1440
ccctaaaccc	ctcctgtgtg	ctggccctgt	gctagacagt	gctggagaca	tagttggggg	1500
tgagaaactg	cccttatgga	gcttgagctc	cagtgaagtg	gacagacctg	tcccagaca	1560
gtgatggccc	aaaatggtca	ggactttaat	ggaggaggtg	aggtgttgaa	agcacaggca	1620
gagtggctcag	ggctgaagtc	ggagaagcat	agggactagg	cccaatccag	cctggaaagt	1680

cagggaggac	ttcctagagg	aagggacatc	gaactaagac	ctgaactatg	agaaataggc	1740
aggaagaagt	tgtacctgac	tcatttttct	caggtgtctc	cagggagcag	gacccatgga	1800
gggacccctg	gtgtaggcct	gggcgataga	ctcttcctca	gcagcctggc	aggcaggaaa	1860
cagacatagg	accccgagccc	agatctgaat	ggcatgggag	gtgctgccct	taaccatgac	1920
accattgtaa	gagctgtcca	catttgatg	ttgtgccctg	gaatcagcct	ggttgagctc	1980
aaatcccaac	ttagccacgt	ctggcctgtg	tccttgggca	gtcacactac	ctctctgatt	2040
ttgtttcctt	atctgtaaaa	tggatgatcat	cataatacaa	cttcaaaaagg	atttcaggct	2100
gagtgtggtg	gctcacgcct	atacaccag	cacttttgaa	ggctgaggaa	ggaggatcgc	2160
ttgaggccag	gagtttgaga	ctagcctagg	caacacagtg	aggccttatc	tcaacaacaa	2220
ccacaaaatc	taaaaattag	ctgggtgtgg	tgggtgcatgc	ctgtgatcct	ggctacttca	2280
gaggctgagg	tgggaaggatc	acttgaggcc	aggagtttga	ggctgcagtg	agttatgatg	2340
gcactgctgc	actccagcct	gcgggacaga	gtgagaccct	gtctgaaaga	aagagagaaa	2400
gaaagaaaaga	aagagagaga	aagaaaagaaa	gaaagaaaagg	gaaagatgga	aggaagggaag	2460
gaaaaaagaaa	gagaaaagaga	gagagagaga	aagaaaaagaa	aagaaaagta	agaaaagaaa	2520
aagaaaaagaa	aagaaaagta	agaaaag				2546

<210> 5430
 <211> 1785
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(1215)
 <223> similar to gi5732618 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5430						
tcatgacctt	tgaactctat	gaggaatttc	ttcgagctat	gggccttcag	gagaggaagg	60
agacaatcog	tgggtgtatac	tctgtgattg	atcaactctc	ccgaactcat	ctcaatacac	120
tggaaagcct	catctttcat	ctagtcagga	ttgctctgca	ggaagacact	aatcgaatgt	180
ctgctaattg	tttgccatt	gtgtttgcgc	cctgcattct	ccgctgccct	gacaccactg	240
accactaca	aagtgtacag	gacatcagta	agactaccac	ttgtgtggaa	ctgattgttg	300
tggaaacaaat	gaataaatac	aaggctcgtc	tcaaagatat	cagtagcttg	gaatttgctg	360
agaataaggc	aaagaccagg	ttgtcactga	ttcgtagatc	aatgggaaag	gggcgtattc	420
gtcgaggaaa	ctatccaggt	ccatcgtctc	ctgtttagat	tcggttgcc	tctgtgtctg	480
atgtctcaga	ggagaccttg	actagttagg	cagccatgga	gactgacatc	acagaacagc	540
agcaagcagc	tatgcagcag	gaggagagag	tactgactga	gcagattgag	aacctacaga	600
aggagaagga	ggagctaaca	tttgagatgc	ttgtactgga	accccgtagc	tctgatgatg	660
aaacccttga	gtctgaggcc	tccattggga	ctgctgatag	ctcagagaat	ttgaatatgg	720
agtctgaata	tgctatctct	gagaaatcag	aaagaagctt	agcccttagc	tcctgaaga	780
cagctggcaa	gtctgaacct	tccagcaagt	tgcgaaagca	acttaaaaag	cagcaagact	840
cttttagatgt	cgtggactct	tcggtctcct	ctttatgtct	gtctaacacg	gcatcatctc	900
atgggaccag	aaaactatct	cagatttatt	ccaaatctcc	attctaccga	gctgcctcag	960
gtaatgaggc	cctgggaatg	gaaggaccat	tgggcccagac	caaatttctg	gaagacaagc	1020
ctcagttcat	cagcagagga	accttcaacc	cggaaaagg	caaacaaaaa	ttaaagaatg	1080
tgaaaaactc	acctcagaaa	accaaagaga	ccccagagg	gacagtcag	tctggccgca	1140
gaaaaactgt	ggaccagac	tgcacctcca	accaacagct	agcactcttt	ggaaataatg	1200
aatttatggt	ctgaaccggc	agatgtgtgt	ccctccgtgg	ctacagagtg	gtaaacaaat	1260
ctcacctttg	gggctgcgtt	tcatcacctc	gtccacaata	gtcaatccta	attgtggtcc	1320

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```
<220>
<221> misc_feature
<222> (6)...(401)
<223> similar to gi203363 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<210> 5432
<211> 1617
<212> DNA
<213> Homo sapiens
```

3975

<220>
 <221> misc_feature
 <222> (1134)...(441)
 <223> similar to gi2677843 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5432

ttttttttta	aagatttttta	tagaatagat	gctttatgta	aaatattaaa	cataaaagga	60
caaactgaca	tttattccct	gagtcctgtg	acctgagatg	taaatgaggg	agccccantc	120
ctataaatta	aaattgggtg	tgtgggtatt	atcccataga	agcattgcca	tatccccag	180
atgcctaggg	aacagaaaag	gtgggtgtgc	ccaacaaaca	caatcctacc	ctcccagaaa	240
acgcccattc	tgaccttttt	attgtcgaaa	ttaaaaaata	aaagatactt	aaatacaacg	300
gtgaacatat	agggcaaaac	agaatcataa	aatttaatgt	tgagttaagc	agtgagctga	360
atgtctaggt	ctccaaattg	gctttgaacc	caaaaccact	taaaaacaag	tatgttcaca	420
gttaacggca	attggcttat	aggtgagaga	atggtcgaag	ttgttccagt	tgaacttcca	480
gggaaattct	ctcctcaaga	acatccttta	attgttgctg	caattcgcta	ttcaatctgg	540
ccaaaacggt	gttgggttcc	ttattacgtc	taattgatgc	ctgaatagct	ttcttatctt	600
tcccaacaga	tctgggaata	gaagggtgtg	atgcaagaac	agcagctaag	acaccgctct	660
tttgtgtatg	ttcatcaact	tctggcctta	attcatcttc	tgattttaat	cttcttcgaa	720
caggtttagg	tggtggagca	agtggtgttg	tgcctttgct	cacattggca	ggagcactag	780
cagctgtctt	ttcttcagtt	ttactatctg	ttttggcaac	tcgaagagaa	cttgaggat	840
cagaagcttt	ttcagccggc	aggacttctg	gatgtttctc	ggcttcatca	tcttggtcgt	900
cgtttacatt	tgatgcagca	aatacttcaa	actgactgaa	atctgcaaaa	tttggttgct	960
ctggatatctg	ctgaggtgag	gtactagtgt	gagttatgag	gccatcgga	tccactgggc	1020
gatgcacagc	aggaccagga	gcctgtgagg	gctgtggtct	tggaggcact	gcaggaggat	1080
gggcaacaac	tccagcctgt	tgtgtcctg	catgaatata	aaagtctctc	tttttagtaa	1140
ctgtataatc	actttgttaa	tagaagaaat	aggctgaatg	aatgtgacta	catgataaag	1200
atttctaaga	atgtttgtta	agtattagaa	ggcaagtact	aacttggtac	atgggtctgta	1260
tgtaacctaa	agaccaaata	tcacagcctt	tcatcagatc	tcactttgct	tcttacctct	1320
attacatgaa	gccctcctgg	catactcctg	cctattccca	taatagcaaa	caatcttgat	1380
tttcttcgtg	tatctctgac	tgtgttttag	gtatcaaata	aaaacttcca	aattttccct	1440
ttcacttaac	acttcacttt	tcctcaccat	tctaaactca	cagtgtacta	aacataactt	1500
catcatcctc	tgccctaact	tttctatttt	aaccaaggta	acaacaatac	tgccagttct	1560
tcaaaaatta	aaaacctggg	taagttatga	ctcttcttct	tcatcagcca	aattgag	1617

<210> 5433
 <211> 1201
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (108)...(328)
 <223> similar to gi2879865 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5433
gcgtccggttc aataaagatc tccctcagag ataaggatgt agacttataa gcaggacaag      60
actattcatc ttcttagcat tttactgcgg cgcccatcga cttataaatg gctgttgctg      120
atgggagagg agtggtatct ggaagggtta aaggtttaga tctctggaac acattcttaa      180
tggaacatca caaaaagatca attccaaggg acacctggaa cctcctgctg gacttttgaa      240
acatgattgc ggatgatatg tctaactacg atgaagaagg agcttgggccc gttcttatag      300
atgattttgt agaatatgca cggccagtag tcacagggtg aaaacgcagc cttttctagg      360
cagcaagtta agcaggagta agattatgaa atgatttgta tcctgcaagg agattgcagt      420
cagttcctgg gtgcattgtc gctgattcca gaagtcattc ttgaccagcc atgaaaccag      480
aggcgccatc ccattctgcc ggaggacagc cagcggctgc tttgtggaca ccgcaggaag      540
ttcctcgga cagcgctgct ttgggatgtt tggagatttg tcatcatagc ttttgcgta      600
ggaaatttct gcatgatttt ttaatattta caaaatacta aggtagagcc atagcgccgc      660
ctgtgggacc gcagagcatg ctgcgtagct cgcgcgtcag gcgaaccagc gtccggcagc      720
gtcccgccga atgacgttgc ggtggcactg gcaacacggc atgtgtcctc tgcagggcgc      780
tgggttttta tacacgtcaa agctgttaag aatgtgccct aaggagagg atcttgcgt      840
agagtcta atgttttttaa attggtgcca gcaattcacg atttatattt tttgaattac      900
caaatatcta gatttaccag ctctattttt gttttcattt tctctagaca ttcattctgaa      960
aatcatttta tggttctcaa tccccatgta gctttgcata gcaacggcac acgtggcacg     1020
attccagcag agtttatctc acaccgttta tatatcactg ggccctctctt acttaaatat     1080
tatttgacct gcctgagaag cttcataaag tatgtttttt taaaatatat ttttaattaca     1140
tttaaaaaga catttttcca tgaaaaacat ttattttatg agtgatgaat tatagatttt     1200
a                                                                                   1201

```

```

<210> 5434
<211> 958
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(959)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(426)
<223> similar to gil50149 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5434
tgctaaaatc ttggattatg gaaaatttaa gtatgaaaga aagaaaaaac aaaaagttga      60
aaaagaaaaa caatctttca caaacaatag agaaattcgt ttatcttttg gaatcaattt     120
aaatgatata aaaatcaaag caaaaaaagc caaagaattt ttattagata acgacagagt     180
aaaagtggct cttcgtctta gagggcgtga aaatacaaga cctgaacaag gtaaattaat     240
tttaaattct ttttttgatg aagtaaaatc gattgcaaaa ttaagttaaag aaatgcaatc     300
agttggta at tttttaactc ttcataattga acgtgataag aaaaaattac ccaaatttac     360
ttcttcaaaa caaataaagg aattaattga ttttgaaaaa actataaagg aagaagaaac     420
taatgcctaa agcaaaaaca aaatcagcac ttnnnnnnnn nnnnnngggg gggccgtttt     480
aaaggatcaa agtttacttc cgcgtgcttg caaggtaaaa gtttttttat ggggccccca     540
aaattaattc ccgggggccgg ggtttaacaa cgggggggagg ggaaaaaccc ggggggttccc     600

```

cacttaa	atg	gcgcgc	gtg	gaaag	nnngn	tnnnnn	ngnn	ngnn	ngnn	gtttt	ggnng	660
ttgtgt	gttg	ttgtgg	gtg	gtgtg	gtgtg	ggggg	gttnn	nnnnnn	nnntt	ggtgg	ggggt	720
gtgtgg	gttt	ttgttt	gtg	ggggg	gtgtg	tgggt	tnngg	ggtt	ggggt	gtgtg	gtgtg	780
gggtg	ggg	cgtgt	ggtnc	tctgt	tcttg	ccgcg	ggcg	cctcg	ccttc	ttctt	ttttg	840
ggccc	ccttc	tgccc	cggg	gtt	cccc	gccg	ggcg	tgccc	cggg	gcccc	ccttc	900
tccgt	cctg	cgtc	cgtc	gcgg	gcccc	ctctc	ctctc	ctctt	gtgtt	gcgc	cctcc	958

<210> 5435
 <211> 1885
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (10)...(1145)
 <223> similar to gi3766209 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	5435											
cggacgc	gtg	ggcggg	cag	ggctgt	caag	cggctc	cctcc	gcgagt	gctt	tggcct	gggtt	60
cggcgga	aag	ttcaact	gct	gcaggag	tct	gacagg	ccacc	ccaact	gtg	ccgtac	cttc	120
tgcaccg	agc	ggggac	ccca	gttccac	tac	attgcc	ctgg	agctct	gccg	ggcctc	cttg	180
caggagt	acg	tagaaa	accc	ggacct	ggat	cgcggg	gggtc	tggagc	ccga	ggctgt	gctg	240
cagcagt	ga	tgtctg	gcct	ggcccc	acctg	cactctt	tac	acatagt	gca	ccggga	cctg	300
aagccag	gaa	atattt	ctcat	caccggg	ccct	gacagc	ccagg	gcctggg	cag	agtgg	gtctc	360
tcagact	tgc	gcctct	gcaa	gaagct	gcct	gctggc	cgct	gtagctt	cag	cctcc	actcc	420
ggcatcc	ccg	gcacgg	aagg	ctggat	ggcg	cccgag	cttc	tgcagt	ctc	gccacc	agac	480
agtccta	cca	gcgctg	tgga	catctt	ctct	gcaggc	tgcg	tgttct	acta	cgtgc	tttct	540
ggtggc	agcc	acccct	tttg	agacag	tctt	tatcgc	ccagg	caaaca	tcct	cacagg	gggt	600
ccctgt	ctgg	ctcac	ctgga	ggaag	aggtc	cacgac	aagg	tggttg	ccccg	ggacct	gggtt	660
ggagcca	tgt	tgagcc	act	gccgc	agcca	cgcctc	ctg	cccccc	cagg	gctgg	cccac	720
cccttct	tttt	ggagc	agagc	caagca	actc	cagttc	cttc	aggacg	tcag	tgactg	gctg	780
gagaagg	agt	ccgag	cagga	gcccct	ggtg	agggc	actgg	agggc	ggagg	ctgcg	cagt	840
gtccggg	aca	actgg	cacga	gcacat	ctcc	atgcc	gctgc	agacag	atct	gagaa	agttc	900
cggtcct	ata	agggg	acatc	agtgc	agagc	ctgct	ccgtg	ctgtg	aggaa	caaga	agcac	960
cactaca	ggg	agctcc	cagt	tgagg	tgcga	caggc	actcg	gccaag	tccc	tgatg	gcttc	1020
gtccagt	tact	tcacaa	accg	cttccc	acgg	ctgct	cctcc	acacgc	accg	agccat	gagg	1080
agctgc	cct	ctgag	agcct	cttcc	tgcc	tactac	ccgc	cagact	caga	ggccag	gagg	1140
ccatgc	cctg	gggcc	acag	gaggt	gaggt	gggct	ggatg	ccacac	agat	ggtct	ccgtg	1200
ctggct	cact	gaaag	agctg	agcct	gtggc	tggcct	caga	atcagg	ctgg	gtgcag	tggc	1260
tcacac	ctgt	aatccc	agca	ttttg	ggagg	ctgagt	gaga	ggatc	acttg	agctc	aggag	1320
ttcgaga	cca	gcctg	gccaa	catgg	caaca	ccccat	ttct	acaaaa	aatt	tgtaa	aatta	1380
gccagg	catg	gtggc	gcacg	cctgt	agtcc	cagct	gcttg	ggagg	ctgag	gtggg	gagaat	1440
cacttg	agcc	caggag	ttcg	aggct	gcagt	gagcc	aggat	catgcc	actg	cactc	agcc	1500
tggtc	acag	agagac	actg	tcaccc	ccctt	tcccc	acaa	gactgg	caga	ggctg	ggcag	1560
cctggg	gctg	atgaag	caga	gatgt	tcgct	ggatcc	cagg	ccctg	gcacc	cctc	aggaaa	1620
tacaaga	aaaa	agaat	attca	catct	gttta	atgtg	cataa	agcca	aggaa	aggac	agttc	1680
cgaatt	ccct	aaaaaaaa		acaaaa	aaag	gacgag	gggt	cggacc	ggag	ctgag	ataca	1740
aaactt	ggaa	taaggg	gggg	ggggg	gggtt	tagaaa	aaaaa	aacctt	tact	tgggt	ctggg	1800
gccggg	gatt	tttttt	ttga	ttcgg	gattc	aaactt	tgac	tcggg	ggggg	gcttc	ctttc	1860

<210> 5436
 <211> 621
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (16)...(100)
 <223> similar to gi3002588 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5436
 cgcttcttgt gcaaaaagac gcgtgaggac ggctggtaca aggggaccct gcagcggaac 60
 ggccgcacag gcctcttccc gggcagcttc gtcgagagct tctgagaact ggtgctccct 120
 gcacccagct cacagagggg gaggccgcct gggaagctcc acggcacaca gagagggagc 180
 catggcgccc caagggttcc aggtcatctc caaggcacct ggcgggggat accctggccc 240
 aggggtgggg ccagggactg tggaggtcgt gccttctccc aaaaccccca aacggagagc 300
 acacctggga tgttcttcaa ggaaatgccc accccctctg tggaaactgc aaagaaagca 360
 ccttgaggaa gagaggcagg tgccggcgca ggcaggcctg tggctgtggt ttgcagccat 420
 ggcagcgttc tcatttacca cctaagcagg gttggagggt gcaggaggtc tgcaggcgag 480
 gtgggtggca tggggggccag gaggcgtgga gatcatcttt ctgggctgcc ctgggcttcc 540
 cgcgnggcc aggttgctct gtcaccattc tatatactc agtcacctgc cgcccggtg 600
 ctcancnaag ggtgtttgag g 621

<210> 5437
 <211> 1337
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1338)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (305)...(1048)
 <223> similar to gil065454 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	5437					
caccctgtta	tccatttctc	tttgtgttttg	gataatataa	gtacttacat	tttgttcggt	60
gaatatgctg	atggaagttt	tcttccagtc	tagatacatt	caacccccaa	gtgtcagagg	120
catgtttctgt	atctaaatat	agcacctaata	ctccattgtc	agatttgtct	catgaggaag	180
aatgcctgtt	gtcactcctt	ctggggaata	atgccaaagca	gctgttgagg	caacgttgtc	240
cttaacaggt	ccattccaaa	gctgttttct	tcatacctga	gccttctgca	cggtgacact	300
gatttttccc	cattttcagg	gagctgtgat	acacaagttg	ggcatcacct	tgggtgtctct	360
ccttttgttt	ttgacgctaa	cgaagacctt	tctgtgcacc	tgcttgtgg	atgactgggt	420
tgtccataaa	gcaagctttc	cggctcgact	ctgctactta	tatgttgtea	tgcaagcctc	480
aaagcccaag	tattactttg	catggacatt	agctgatgca	gtgaataacg	cagctggcct	540
tgggttcagc	ggagtggata	agaatgggaa	tttctgttgg	gatctgcttt	cgaacctaaa	600
catctggaaa	attgagactg	ccacaagttt	caaaatgtac	ttggaaaact	ggaatattca	660
gacagctact	tggctaaagt	gtgtgtgcta	tcagcgggtt	ccatggtacc	ccacggtgct	720
aaccttcac	ctgtctgctt	tgtggcatgg	tgtctaccct	ggatactatt	ttaccttctt	780
aactggaatt	cttgtcacat	tagcagctag	agcggtcagg	aacaactaca	gacattactt	840
cctttcttca	agagctctca	aggctgtgta	tgatgcaggc	acctgggcg	tcaactcagct	900
ggctgtctct	tacacggtag	caccctttgt	gatgttgga	gttgaaccga	ccatcagctt	960
atacaagtcc	atgtactttt	atttgcacat	cataagtctc	ctgataatac	tatttctgcc	1020
aatgaaacca	caagctcata	cgcaaaggcg	gcctcagact	ctgaactcta	ttaataagag	1080
aaaaacagat	tgataccttc	aagagaagcg	gaacaagcaa	aactgcagaa	cgttcgaaag	1140
atgagatgac	aggcgctcaa	gggtcctcc	gggtgcttat	aggcgatgtt	tacatgcac	1200
tttattttgt	tcttttttaa	aggtcagggga	gtannnnnnn	nnnnnnnnnn	nnnnnnnnng	1260
aaaagggtgc	cctttttttt	cccaaatttg	gaataaaatg	gggagaacct	ggattttttg	1320
aagtcccccc	tccccggt					1337

```
<210> 5438
<211> 2370
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (94)...(1453)
<223> similar to gi2988399 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5438						
ggtggaattc	attattgtta	cgtcttccag	ctcatgcatt	ccaaccctcc	ccagcccctt		60
cctgccttca	tctcttacct	ctatacccaa	ggccttcccc	gctatccact	caacatcccc		120
ttctgtttta	tgccagggac	tgtgatgatt	ccgggtgtga	ctcagctgac	agagaaggac		180
ctcaagtacc	ggctgcaggc	gtccaggggc	aagtccatta	tcaccagtga	ctccctagct		240
ccaagggtgg	atgccatcag	tgccgaatgc	ccctccctcc	agaccaagct	gctggtgtca		300
gacagcagtc	ggccaggctg	gttgaacttc	agggaactcc	tccgggaggc	ttctacagag		360
cacaactgca	tgaggacaaa	gagtcgagac	ccgctggcca	tctactttac	cagcgggaacc		420
accggggccc	ccaagatggg	cgagcactcc	cagagcagct	acggactggg	ttttgtggcc		480
agcgggaagac	ggtgggtggc	cttgaccgaa	tctgacatct	tctggaacac	gactgacact		540

gctgtgggtga	aggcagccttg	gactctcttc	tctgcctggc	ctaattggatc	ttgcattttt	600
gtgcatgagc	tgccccgagt	tgatgccaaa	gttatctctga	atactctctc	caaattcccg	660
ataaccaccc	tctgctgtgt	cccaaccatc	tttcggctgc	ttgtgcagga	ggatctgacc	720
aggtaccagt	ttcagagcct	gaggcactgt	ctgaccggag	gagaggccct	caaccctgac	780
gtgagggaga	agtggaaaca	ccagactggt	gtggagctgt	acgaaggcta	tggccagtct	840
gaaacggttg	tcatctgtgc	caatccaaaa	ggcatgaaaa	tcaagtctgg	atccatgggg	900
aaggcgtccc	caccctacga	tgtgcagatt	gtggatgatg	agggcaacgt	cctgcctcct	960
ggagaagagg	ggaatgttgc	cgtccgtatc	agacccactc	ggcccttctg	tttcttcaat	1020
tgctatttgg	acaatcctga	gaagacagct	gcatcagaac	aaggggactt	ttacatcaca	1080
ggggaccgag	ctcgcacgga	caaggatggc	tacttttggg	tcatgggaag	aaacgacgat	1140
gtgatcaatt	cttcaagcta	ccggatcggg	cctgttgaag	tggaaagtgc	cctggcgagag	1200
catcctgtct	tctctggagtc	ggctgtggtc	agcagcccag	accccatcag	gggagagggtg	1260
gtaaaggcat	ttatagtctt	tactccagcc	tactcctctc	atgacccaga	ggcactaacg	1320
cgggaactcc	aggagcatgt	gaaaagggtg	actgctccat	acaaataccc	caggaagggtg	1380
gcctttgttt	cagaactgcc	aaagacggtt	tctggaanga	tccaaggagc	taaatgtcga	1440
agtcaggagt	gggggaaatg	aggtgcaccc	caggaaggcc	ccgtagacct	ccgaagactc	1500
cacaagaaac	taatggatca	ctggtcagtc	cccatgggga	gcatcatctc	ttcgacccta	1560
aagatgtcaa	aggtgtgcag	cttccaaacg	gcatccccag	gatcaactggg	caatgctgga	1620
aagagcaaaa	gaatatcatt	ggccctgatc	acatagatgc	tgcgcgcgct	agcaaattgct	1680
tggtggttcg	acttctccct	ctgtctgggg	gcaggctcag	catctgccc	ctggtctcac	1740
taagagcttt	cagatttccc	tccataggac	aggttaccat	agacttgggg	cacttgtggg	1800
tactcattct	ctgccagtg	gaatgtaaag	gcttcacct	ttgtatgtaa	ccatttggca	1860
aaagtatgca	ggaacataaa	ataaaatatc	ctttagctca	gaaattctat	cttcggggagt	1920
caccacaaaa	gaaaaaaaaatc	aaaatgcaga	aaatgtgtgg	tgactaaga	tgatcacaca	1980
gcattaaaaac	taaaaaaaaaa	aaagaaaaaa	ttaacaatta	acatccaaac	aacaaggaaa	2040
tgattaacaa	aattgtagta	gattaactca	attacatatg	atgtagccac	taaaatattt	2100
gagagcagtt	tagtatgtct	tgggaaaagt	gtaagctata	ttaattttta	aaatcagagc	2160
aaaaatatct	atactggaga	atcccaactc	tgaaaaataa	agggaaaact	gtggttaatt	2220
gtaatctctc	tggagattga	ggagggagg	agagaaaata	atggatggta	gtttttcttc	2280
ttcctttttc	cattacattt	ctgtattttc	caagtttttg	tacgaagcac	atacaactat	2340
tttaatgaaa	aagttatggt	aaagaaaaaa				2370

```
<210> 5439
<211> 1564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (150)...(820)
<223> similar to gi2645229 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5439						
agtgtggttg	aattcgtgaa	cttgaagcac	ttgcaacttt	gtaccagaaa	caaaataaat		60
atgaacaagc	tgaacatttt	aggaaaaaat	cctttaaaat	tcatcagaaa	gctataaaga		120
aaaaaggcaa	cttgtagcga	tttgcccttt	tacgtagacg	ggctttacag	ttagaagagc		180
ttacattagg	taaggacaca	cctgataatg	ctcggaacct	caatgaactg	ggtgttctct		240
actatcttca	aaataacctg	gaaacagctg	accagtttct	gaagcgttcc	ttagaaatga		300
gggagcgagt	tctaggacca	gatcaccctg	actgtgctca	gtctttgaat	aatctggcag		360

<210> 5441
 <211> 2355
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (38)...(668)
 <223> similar to gil708767 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5441

tttcgttgat	atcttccaga	gatggaaaga	gtgcagggga	aagagccctg	cccaggcgga	60
actctcctat	ctgaataaag	cgaagtggct	ggaaatgtat	ggggtagaca	tgcacgttgt	120
caggggaaga	gatggctgtg	aatattctct	tggactgacc	ccgacaggca	tattaatctt	180
tgaaggagct	aacaaaatag	gcttattctt	ttggcctaaa	attaccaaaa	tggattttaa	240
aaagagcaaa	ttgacactcg	tgggtggcga	ggatgatgat	cagggacgtg	agcaagagca	300
cacgtttgtg	ttccggttag	acagtgccag	gacctgcaa	cacctttgga	agtgtgcagt	360
tgagcaccac	gcattcttcc	gactgcggac	gccaggaaac	agcaaatcca	atagatccga	420
ctttatcagg	ctgggctctc	gcttcagatt	cagtgggcgg	acagaatata	aagctacaca	480
tggctccagg	ttacgaagaa	ccagcacctt	tgagaggaag	cctagtaaac	gttatccatc	540
ccggagacat	tcaacgttca	aagcaagcaa	cccagtgata	gcagcccagc	tctgctctaa	600
aacaaatcca	gaagtccata	attaccagcc	tcaatatcat	cctaatatcc	atcccagcca	660
gccccggtgg	catcctcact	ctocaaatgt	caggccatcc	tttcaggatg	acaggtcgca	720
ttggaaagca	tgggccagtg	gagatgacag	ccattttgat	tatgtccacg	accagaacca	780
gaagaactta	ggagggatgc	aaagtatgat	gtatcgagat	aaactcatga	ctgcactttg	840
agagactgaa	gcattctctc	tccattcacc	ttcatagttt	cattgcattc	catgaaaagt	900
gtcttggcct	cagatggatg	gatgtgtttg	gacgagtgtc	tttaaggagt	agtccctgaa	960
ggtgtttttg	gtgtccatgt	aaatatattg	agataaaacc	actatagctt	gtcataattt	1020
actgttgact	gcattctcat	taaaatgaag	gtaaaggctc	aggaatcata	ttgatgttct	1080
gattttaaaa	ttggagtcaa	agtctatgtt	tatcatttta	ctatgttcct	gatgttcttt	1140
gttattttaat	taatgggagc	aaataaaacc	agaagagctt	gggaagattg	ctcagcatat	1200
attcctgtcg	tagaagttga	gatttgctagg	gtccagtttc	cctagtgtgg	cctggacgag	1260
tcattttccc	ttcattgacc	tcattttccc	catctgaaaa	gagaggggtg	gactaagtga	1320
tctccaaggt	cctttccaac	tctaaaattc	tgcaatttgt	taacatttca	ttttgttttag	1380
gttgaggaca	tacattcaaa	ctaattttat	cacaaggaaa	actgcaatac	ccacttcctt	1440
gacagagtta	ctcctttcag	aagctaaata	aagtatataa	cttattagat	gttatataga	1500
tacaggggga	ctttgaattt	cacatcttaa	agcagttgag	ctactttgaa	tttaagcagt	1560
cgtactaatc	ttaaattgca	tagcatttgt	tttgatcgaa	tttgctgctc	aagtatggga	1620
ataattttta	atgtcttaat	gattgggtgct	gttaacttgc	gtgatttcag	aagacataat	1680
tgtgaataca	cactgtcaga	attgggggat	tggtttttac	cctagacttc	actcttaaaa	1740
agcaacgtgc	aatcaagatc	atztatggct	caaataagaa	catataagggt	tttcttgaag	1800
ttgtgccaaa	gcattctgta	gagtaggatg	agatggttgt	tgccctagtc	tgttggtaga	1860
accagaaatc	aatatgttgt	cttttaggtt	aaagcttgta	ccaaaatatt	tatttcccc	1920
atttcaagcc	ctgagtcaaa	catttttttc	tcttaataat	agacctgaaa	tgttttatta	1980
gtattttctgt	gaaatcagtt	gattcttgtg	ccatttttgt	atatgtaatt	gtaattttgc	2040
ccatgttagg	ccctctaaaa	aatgtttgac	atcctttgag	atattttatt	actaaaatct	2100
gatctttttt	ggctactgca	aaaatctatt	cagcaagaag	gtatcagctg	cataccttgc	2160
acagtggagc	tgactaccta	taaactctcc	ctaaggcatt	tgtttacagg	tgtattccat	2220

<213> Homo sapiens

<220>

<221> misc feature

<222> (2227)...(1995)

<223> similar to gi3002527 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5443

tttttttttt	ttaaaaaaaa	aacacctttt	tttttttttt	actgacttgt	ctgacgtctg	60
tgtgcagtca	gccgtcggca	ggttgatggg	tccagagtct	gtggtgacag	ataatttgta	120
aacaccaggt	gtttccatca	gaactgacat	gcgggtcctt	cagtgaagct	tctagtgcct	180
ctgtcagtgg	aagagacagc	aagaccaagt	tcttccagcg	tctgtggcct	tctcctctag	240
gtttcacctg	catgtcaggt	atcatttcca	attttccttt	gtttcagttc	tggagcttct	300
gagccaggcc	tttctcaacc	acctctcctg	ctgctgaaac	ggggatggcg	ttttccctct	360
cctgtcctg	gactggggtc	agactgtgcc	ccgaggagaa	gcagcagaga	ataggactac	420
gtcatgggca	tttcgtccac	ttatttgggt	attttggggg	ccacagaaca	atcctgacta	480
tcctagactc	ctcagagacc	tcagaggcag	ctgtgaatgt	ccctatgttg	ccgggagttc	540
ctgtttgaaa	tatttgaaag	atagaggatg	ccacaagctg	actttcttca	tctaccttgg	600
tgatcttgaa	gcaaagaaca	gaactgatgc	tcaggccagg	ctcacctgta	gccttacgcc	660
gcaagcatat	gtgaggcgcc	agctctgtcg	ctgaaggagc	gcttactcag	aggagcggtc	720
ggccccctct	tggtgttaag	gtctcttagt	taacctggct	ttttggtgca	ggtgtgatct	780
ttgaagctca	ggcagggtccc	tgatgccatc	ctaagggtgag	gacaggaacc	tcacccacca	840
tcttcttagc	gtgtccctga	tgactctgtc	ctctgttaga	tggtcgttgt	gcttctgagt	900
aaaagtacaa	cccgaactcc	ttctctcccc	ttcctgcagc	agagctgggt	ccttccctgg	960
tgggcgagtc	tctcttgccct	tagcttcttt	ggtcaaagtt	ggagaaaagc	ttcctgctat	1020
tagtgcgtgt	acagaacttg	acggtttgtg	gatgtgagtg	tgaatgtccc	tgtgttcttg	1080
ggataacaag	agcctttatg	ccaattatgc	actgaactct	gtgtagcctg	gtaatgttta	1140
tctgttcatt	tgataatgct	gatttttagtg	tgttgcccc	ctccccccgt	taatgtgtgt	1200
tgatggtgaa	gtccttttga	taatgctgat	tttggtgtgc	tgccctcccc	ttcccccccg	1260
ttaatgtgtg	tggtgacagt	gaagtccttg	ggtggggcca	tgtgtgtgtt	tgtgatgttc	1320
cttaagttga	tgcagcttct	aacctctgtg	aaaacactgg	tcagagtggc	ttctccaaga	1380
gctggcagct	ctgtgaacta	aagcctgcat	catttttgtt	ctgggattga	attctgocca	1440
tgggcatgtc	ttctcatagt	tgcttgctgg	taggaaagaa	atgggcgtgg	gtgctgccct	1500
ggaagctgag	cggaaagttg	cctgtggttg	gtggaagctg	atgagagctt	gagctggcgg	1560
taagaaggag	tctcccaggg	aagtgggaga	ggcattaagg	tgatggccag	ggctgaggct	1620
ccaccagcgt	gagaggggaa	atgtgggaac	tggccccctg	ccttgattcc	tctgcctcaa	1680
agttgggatc	tgaaagccat	gtagggctag	aagaccctga	ggctgttctc	ccttctgttc	1740
atagtgaagc	tcaaaaagcc	aagtcccaga	agttctgaag	ggctgtgact	agaagtggcc	1800
aggtccttca	gggagcttta	agaatgaccc	cacagaactc	aagtttaact	aggggttagg	1860
tcccagattc	agaccagga	gtttataaaa	atgagctcta	cttccagttt	tggtttaaat	1920
tacacatcca	ggccaggcac	agtggctcac	acctgtaatc	ccagcacttt	gggaggccag	1980
tgcgggcgga	tcatgaggtc	aggagtttga	gaccagcctg	gccaatgtgg	tgaaaccctg	2040
tctcttccaa	aaatacaaaa	attagctggg	cgtggtggca	cacgcctgta	atcccagcta	2100
cttgggaggc	tgaggcagga	gaatcgcttg	aacctgggag	gcagaggttg	cagtgaagcc	2160
agattgcgcc	accgcactcc	agcctgggtg	acagagttag	actccgtctc	aaaaaacaaa	2220
aagggtgacac	atccagctct	ttctccaggt	cactgcgctg	gaggacagat	gtgccgtctt	2280
gtcctgcctg	tttcacatca	gcataggatc	aaaggatgac	aatgctgaca	gcttctgaag	2340
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ccgcacccca	tccctttaga	tcgtgcgtct	gttttagtga	ctctgacacg	atgccgtcct	2460
caccttccaa	ataccagtt	atattattcaa	gaggggggaa	gtgggttagag	gatgggatgt	2520
tttggaagca	ctttgcaagt	taccactatc	tgaaaatccc	ctgctgttgc	ggggagaagc	2580
tttgaatgca	ctgaagagaa	ttccttctaa	atgaaggcag	gtgatagtgt	tctttctgta	2640
agtaaaggga	aagaaaaaaa	acatagtttg	cttaccaggt	ggagacaaga	ttcaagacat	2700

```

agcagaagag tgggaagacaa atattttcca cttaaagtag gctgtttttg acgttctctg 2760
ccaaggattt agagctttcg ttgaactaac ataaaaggag tgcgagtcct agtagagatg 2820
ttccgtgtgt gccgcccgtg ctctgaactg cgtttccacc tgctgtggtg cttgtgcagc 2880
ctggcagttc attgtcatct ttaataaact aaggaaataa aattctgtct ttcgtcagcc 2940
tgccttgact gtcaagaaat ggcatgtgtc cactgtaaag caggtatatc tgaacattga 3000
gaag 3004

```

```

<210> 5444
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> similar to gi4512282 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5444
tttcgtctta gctggggttt ccttggttgc attttaaaag gtgtccaatg tgaggagcag 60
ctggtggagt ctgggggaac cttggtacag ccagggcggt ccctgagact ctccgtgaca 120
gcctctggat tcacgttttg tgattatgct atgagctggt tccgccaggc tccagggaag 180
gggctggaat gggtaggttt cattagaagc aaaccttacg gtgggacagc agaatacgcc 240
gcgtctgtga aaggcagatt cagcatctca agagatgact ccaaaagcag tgccttcctt 300
caaatgaaca acctaaaagc cgaagataca gccatgtatt actgtactag atctaagaga 360
tttctggctt accactttga ctcc 384

```

```

<210> 5445
<211> 798
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(799)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (216)...(501)
<223> similar to gil616675 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5445
tttcgtggaa ttacgcccga gtggagagtg tggaccgtga gtgtgggtat cagggagggc 60
tggatggagg cctgtgggtg ggtgaactgc gtcctcctag ctcagccccc aggaagctga 120
aagcccacga ggaaaaaatg tgggtgtcac tgggcaagat ggggataata ggaggcccat 180
gcaggaggca caagagccca accaactgtc ccatttttgc cctgaccttt gccctggtag 240
tcctggcctt tcccgcctac ctgctgggca ttgacagcgg gcgactgcag gagaagctga 300
ccagccgcaa gatggacagc cgctggggcg ggcgcagcga gtccatcaat gtgaccctca 360
acgtggagca ggcagcctac acccgtgatg ccctggccaa ggggctctat gcccgcctct 420
tcgacttcct cgtggaggcg agtggggctg gggctggaag gcagagtgga tgctctgggg 480
tcacaaacat ttatggaagc tgagtgcagt ggctcacggc tgcaatccca atgccttggg 540
tggctgagtt gggagcattc tttgaggcca gaagttcaag accagcctgg gcaacatagc 600
aagaccccca tctctacaga aatttcaaata tagctgggtg tagtggtgtg catgtgcagt 660
tccggctact cagaggcgtg aggttggggg atcacttgaa cccaggaggt tggggctgca 720
gtaagctatg aatgcgctat tgtactccag cctggacgaa atcgtcgacc cggccattgn 780
nnnncggtcc ggcaggcg 798

```

```

<210> 5446
<211> 1173
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)...(444)
<223> similar to gi2746866 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5446
ctgcacgaat tccgcacgag ctgcttctgt gggatgtggt gacaggacag agtgtggaaa 60
gagcatctgt ctccaggaac gtggtcactc acctgtgctg ggtccccaga gaaccataca 120
tactacagac ctctgaagat aaaaccctca gattatggga cagtgggggg ctgcaggtag 180
ctcatatgtt tcctgcaaag cagcacattc agacctactg tgaagtcagt gtggatggac 240
acaagtgtat ctctgcagc aatggctttg gaggagaagg ctgtgaagcc acgttgtggg 300
acctaagaca gactcgaaac agaatatgtg agtataaggg gcatttccag actgtcgcat 360
cctgcgtctt tctaccaaga gcattggcct tgatgccttt aattgctacc tcatcacatg 420
attgcaagggt gaagatttgg aaccaagata ctggagcctg ccttttcacc ttgtctctgg 480
atggatcagg acccttgact tctctggctg ttggtgacgc catctcctta ttgtgtgcaa 540
gttttaacag aggaattcac ttactcagaa tggaccacag ccaagggctg gaactgcagg 600
aagtggcagc attctgaggc caagagacac tcaatggaca atatcaaacc atggctcctc 660
ctcagcatgg ctttgtgtct tcccagtta tcttgagggg agtgggatgt agggctggta 720
ttctttgctt aggttctttt acaagatgta tcagtgttgt aagtccaata atttaagtc 780
agtgattcaa aatcagggtat agagtccaga aacatggact acacataagg ttctctat 840
aagttaaata caaatgcaac tttttagtga gcttttagga ctactcttca aaaaagtgt 900
attgctcaga atgatgacct gtaaagttaa gagtggcagg cctctgtctg tgaaagttag 960
aacacagggc tcgagcctct ggaactgacc ctttgcaagt ctttacaaaa gaaaaaaggc 1020
agtggggaga gagagtgttt tggttacatc aggaataaat tgagatggga aagaatagt 1080
cagctccata gaggagacgg actgtagaca atgagattaa gcttcagtca ctgctcttca 1140
gcaatgtgaa gaatcaaagt cagggcctgt att 1173

```

<210> 5447
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)...(362)
 <223> similar to gil5061 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5447
 ctgctgcag gaatacgcgc ggcatttcgc gggcgatatt ttcacagcta tttcaggagt 60
 tcagccatga acgcttatta cattcaggat cgtcttgagg ctgagagctg ggcgcgtcac 120
 taccagcagc tcgcccgtga agagaaagag gcagaactgg cagacgacat ggaaaaaggc 180
 ctgccccagc acctgtttga atcgctatgc atcgatcatt tgcaacgcca cggggccagc 240
 aaaaaatcca ttaccogtgc gtttgatgac gatgttgagt ttcaggagcg catggcagaa 300
 cacatccggt acatggttga aaccattgct caccaccagg ttgatattga ttcagaggta 360
 taaaacgaat gagtactgca ctgcaacgc tggctgggaa gctggctgaa cgtgtcggca 420
 tggattctgt cgaccacag gaactgatca ccactcttcg ccc 463

<210> 5448
 <211> 862
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (863)...(523)
 <223> similar to gi4490653 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5448
 tttttcacac atgcagggag ttgtattaca ggaggggtaa cactgagctc agggactcca 60
 ctgcttttat agcaaacagt aagcaagctt gctctctgtc ctgatgggag acatcccatc 120
 atttttcaag gttgcttgct gcaacataac cctgagaaat gtcttgata aagagtgggtg 180
 agagccttgc attcttgga tacttagcaa ggtgtgtagg agtacaagag cctcacagaa 240
 aggagcctcc caatagatat gctctgtgaa atgatcagtg ctctctcatt ccatgccgat 300
 gaccaacact tattaataaa cagttgatca agtaattcca gtgaaagaag aggatctctg 360
 gaagtaataa aaattgctcc cttaattcat tcttcttttt tagtgcttc tgtctagtgt 420
 tttttcaacc ataaaatatt ttttcttttag gctcttcaat tttcttctaa aataataaaa 480
 ttgtctttca tgggcctctg atgacttaac ttcttctttt tcttaggttag tctcccaggc 540
 tctctgtggc ttccacacag atgctaggat acatgccctc agtgtaagtt gctaccagaa 600
 gatacagatg ggtcttcacg acaaccacac cagtgttctc atttttggca taaagagaat 660

attcatctgc	ccggacacat	ctgtaatctt	ttcccttgaa	atacagtcct	tctcttcggg	720
cttgcaaagg	gttcttggca	aatccattca	ccagtgttcg	gacatcactg	ggcgttacat	780
tgaaacctgg	tgatgtaca	cacaagctcc	gtcctggat	tttgatgagg	gctgcactgt	840
ccacatgctt	ggttcccaag	ag				862

```

<210> 5449
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (505)...(57)
<223> similar to gil45908 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5449						
caggaattta	gttgccgttc	ttcccgcctg	tcaggggcgg	gtttttttat	atctcagata	60
aatgcaaacg	catcgccaaa	caggcgatct	tcccgcgcat	tacgctcact	gcaaaacaga	120
tcgcgggcaa	ttttcgccat	ctcaaaacgt	ccggcaatat	agatatcatg	ctctgccagc	180
gtaccgtgat	cctgcaatac	cgccgttaac	acggtgccag	tacgcccacg	ccagcccgtc	240
tccggttggt	caaccaccgg	caccacttgc	agaccaggat	gcttcaacga	aagcgccctca	300
agctcgcaga	gatcatacag	atgctgctct	tcacgcccgc	cccagtaaat	ggtgatatca	360
cggtttggtt	tacgcgccaa	cgctgtcagc	aaaatcgagc	gggcataaga	gaacccggtg	420
ccgcccgcga	tcaaaatcat	cggacgctct	tcatcatcgc	gcagccacgc	ttctccgtgg	480
ggaatgtcga	ccacgatttg	at				502

```

<210> 5450
<211> 2873
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (305)...(1555)
<223> similar to gi468355 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5450						
tcttgccgcg	ccggcagcca	caggctggca	tagcggctgc	cgacccgccc	tcgttccctcc	60
accccctgca	cgggactgct	gggcccgcgc	cgccccgcct	gcaggtgaag	cggccgcagc	120
cgccgagtag	gtgcgtgggg	atgatctcac	tcgcgcgctc	cgcgccagga	ggaggaggag	180
cgggagcgga	tccaacttcc	gggtagtgga	gccgcaagcc	accggcatct	tgctttttct	240

tccccctcct	cctgtgtgcc	ccgcgcgcgt	ccctcttttc	cttttatctc	cggccccacc	300
cgccaaaatg	aacagctcgg	acgaagagaa	gcagctgcag	ctcattacca	gtctgaagga	360
gcaagcaata	ggcgaatatg	aagaccttag	agcagagaa	cagaaaacaa	aggagaagtg	420
tgacaaaatt	aggcaagaac	gagatgaagc	cgttaaaaaa	ctggaagaat	ttcagaaaat	480
ttctcacatg	gtcatagagg	aagttaattt	catgcagaa	catcttgaaa	tagagaagac	540
ttgtcgagaa	agtgtctga	ctttggcaac	aaagctaaat	aaagaaaata	aaacgttgaa	600
aagaatcagc	atgtttgtaca	tggccaagct	gggaccagat	gtaataactg	aagagataaa	660
cattgatgat	gaagattcga	ctacagacac	agacggtgcc	gccgagactt	gtgtctcagt	720
acagtgtcag	aagcaaatta	agaacttcg	agatcaaatt	gtatctgttc	aggaggaaaa	780
gaagatttta	gccattgagc	tggaaaatct	caagagcaaa	ctcgtagaag	taattgaaga	840
agtaaaataa	gttaaacaag	aaaagactgt	tttaaattca	gaagttcttg	aacagagaaa	900
agtcttagaa	aaatgcaata	gagtgtccat	gttagctgta	gaagagtatg	aggagatgca	960
agtaaacctg	gagctggaga	aggaccttcg	aaagaaagca	gagtcatttg	cacaagagat	1020
gttcattgag	caaaacaagc	taaaagagaca	aaagcacctt	ctgctgcaga	gtcccatccc	1080
tgatcagcag	cttttgaaag	ctttagacga	aaatgcaaaa	ctcaccagc	aaactgaaga	1140
agagagaatt	cagcatcaac	aaaaggtcaa	agaattagaa	gagcaactag	aaaatgaaac	1200
actccacaaa	gaaatacaca	acctcaaaca	gcaactggag	cttctagagg	aagataaaaa	1260
ggaattggaa	ttgaaatatc	agaattctga	agagaaagcc	agaaatttaa	agcactctgt	1320
tgatgaactc	cagaaacgag	tgaaccagtc	tgagaattca	gtacctccac	cacctcctcc	1380
tccaccacca	cttccccctc	cacctcccaa	tcctatccga	tccctcatgt	ccatgatccg	1440
gaaacgatcc	caccccagtg	gcagtgggtg	taagaaagaa	aaggcaactc	aaccagaaac	1500
aactgaagaa	gtcacagatc	taaagaggca	agcagttgaa	gagatgatgg	atagaattaa	1560
aaagggagtt	catcttagac	ccgttaatca	gacagccaga	ccgaagacaa	agccagaatc	1620
ttcgaaaggc	tgcgaaagtg	cagtggatga	actaaaagga	atactggcct	cccagtagca	1680
ttggatgcag	gaaaaaatac	attgacgggtg	aaaaacaagc	cgaaccagtt	gtagtttttag	1740
atcctgtttc	tacacatgaa	ccccaaacca	aagaccaggt	tgctgaaaaa	gatccaactc	1800
aacacaagga	ggatgaaggc	gaaattcaac	cagaaaacaa	agaagacagc	attgaaaacg	1860
tgagagagac	agacagctcc	aactgtctgat	ccataaacca	gaagcctgac	atgtttggaa	1920
gtccttttca	ataagcacat	gattagtgtt	gttatattgg	caagggctgt	aaacattctg	1980
ctctggtcac	tgtattcaga	atacaggttc	ttttctggtg	tcacttttgt	aagtagcaac	2040
tataaacata	agtaagctgt	ttagcaaaac	acacattcct	agtaggtttt	gggttttttga	2100
tctttataaa	gatgaggttt	ttttcctagt	tactgtatta	agtatgactt	cttttagaag	2160
gttacaaaaa	aattcagatg	ttgatacctt	tttaggaaat	gtgcatacca	ctcatcaa	2220
ggaatgctga	aagtttgagg	tgcttgtata	taatcgata	aacaaaactg	atcaacccaa	2280
tgtgatttta	aaagcccca	aagaagcttc	tgttttggtg	ctgatcctct	tgatggagaa	2340
actgcagcag	catggaaatt	gttgggtact	gtggcataca	agttattttc	tacagtagac	2400
tgagataaac	tgaaaactca	ggagctggca	tcaaactcgt	agtcccatag	tcagtgttaa	2460
ttacacacat	tgттаactat	tggatgaaaa	atacatgcta	ttgatttgtg	ccaaagcctc	2520
ccgaggacct	ccgtgggat	gctctggtag	cctgaataca	gaactgaggt	gaaagtccaa	2580
accttgaaat	ttacagtatg	aagtttggtaa	accatgtgct	ctgtgctatg	agttaattat	2640
gttttcccaa	atactaagt	ggcacaahta	ccatathtta	tcagagttct	tatgtacagt	2700
atggtgaaga	taagtacaa	gcacacattt	tcttgcctc	actgctgttc	tataattacac	2760
aggtttgttg	ttgttttttt	taaaaaagaa	attaagcagt	agttagtctc	taaaaataca	2820
atgttttcagg	ctaccacagt	gaataaaatag	aaatgtaatc	agggattaaa	aaa	2873

3990

<223> similar to gi442368 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5451

caacacgcgg	gcgataagtt	tgtttctttt	aaacggcgcc	cccttttttt	tttttttgtg	60
gattttcctt	ttaatgcaaa	atgttgcaat	acaaaacaat	gtggagaaaag	tcctgttcct	120
caggacactg	aagggaggag	tgaggaagag	aggacagagc	tggaagtctc	ctcctatttc	180
tccctcccca	agtcactctg	aggggaagaa	cactgctgcc	tgctccctgg	gcctgcccgc	240
atacaagggt	agagccctgg	gtctggggca	tccttagcct	gaaatttggt	gacatggggc	300
aggagagcag	gagggaaacat	tgagggtttt	gactcttcgg	gctctaaaag	gattactcag	360
gatctggagt	tccgtatgaa	acaaaggagc	tgaaagaatt	tgattgcat	tggtctaaaa	420
tatagaggat	ttgagccaca	actggcccac	atttgaagaa	tgaggaacaa	gaaatttagt	480
ggggatataa	tataaatgta	tgaggagtga	aaagatgcaa	aaaacaaggc	tagctcctca	540
aacctcctcc	tctttcttcc	tcatctccag	cttatagaca	atctggtagc	catcatccca	600
ggcatagagc	tggtgttctc	gggggttata	gctgaggtcg	gcatgggcac	catatctgcg	660
gggaaaataa	gggagtgtcg	cccgttcagg	ggtcagggtg	ccgctggcat	caaaggagca	720
ctggatgcgg	gcccgaactg	caggacgggt	gttatagacg	acatagaggg	tcccacagat	780
gacaaaggca	gcctcagcat	tctctctggg	acatggtgtg	tcccactgct	gctctgtgtc	840
cagtgtctgt	ggatctaact	tgccagaca	caagtgcctg	tcatcctccc	gggtggcata	900
gacagcccaa	agaccttcct	catcagctgc	caggtcgatg	taggtgtctg	ctgtcaagcc	960
gtaggggggg	atcagcccct	ctgctgggaa	tactgagctg	tccaccactg	ttcggtttgc	1020
caggtggaat	ttgattagct	gcaaagtgtt	ctccatctca	ccacctccac	caggtcttcc	1080
aggaggcctc	cgagcaaaat	aaagaaagcc	accatatacc	agctgccctg	tgcctacca	1140
ggggaagggc	acccggactc	gggaagcttt	ccgggcagcc	atggcaaggg	tgaagtacg	1200
cagccttggg	aagacaaagg	ctgtgtcatt	ctgtgtccca	tctaacacgt	agatcttctc	1260
tgtttgcccc	agtggatcct	tggtccatag	accagctggg	ccaccaaatc	gcttcagaat	1320
cttcattgat	ctcacttgag	agattgtgta	gccacagtct	gtcaccatat	cgtacttctc	1380
attccttctt	cccttgccct	tggtccaggg	gcctccagtc	accttctcat	caaactctac	1440
acagggcaga	gctgggttct	gggtctccag	atagtctacc	tcccgtcca	gacgatccac	1500
tctcccggag	atggtgtcgg	cctcagttct	gagtgccctc	cgctccttct	ctgccacctc	1560
cagcagtggc	agcatcttgt	tcttgaagtc	ccgcagctca	gcagcatgcc	gactactctg	1620
gtcctggcac	tgggccagcc	gttcctctaa	agcagctagt	cggcgttcca	tgtactccac	1680
aaggtggtgc	tgctgtcctt	ggaggggtcc	cgaccatgac	aaaaggaaca	agatgaggag	1740
aggggtgctg	ggcccatg	cagcctggag	agtgggtgcca	gagtagaagg	aacgtacagt	1800
cagcctctt						1809

<210> 5452

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(588)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (587)...(109)

<223> similar to gi567205 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5452
tttttttttt ttattgacat ttcgatctaa gtggtcataa accagatagg tagttttatt 60
aaaagattta ccctaagaac actccttcta ttcccatthc tgacatccta cccacaccca 120
cattcatcga ctacatgctc ttcataatgt cgtagaatga cattgtcatt attgtcctgg 180
tagagcatgg aaatgggaga cagcttggtg gggatacaca cagcctgggg gatctctggg 240
tcaacggcat gcatcagggc ttgcatgaaa gcataattgg agctgttgag agagatggtc 300
agtgagaagg gacactctcc atggcagtaa tttgccatga accccttggg ggcaatgatc 360
cacttggtgc aaccaggtc ccggaagtta atgaatagct ggtgacgggtg gcagagggtc 420
ttacaagaaa gcttggggac agggatggct gctctccttt tccgagaagg gtggcactga 480
tcagggttga gagtcaccac cagcagggaa gcatgaaggg agcatcttag tctggcacag 540
gtgtcttcag gctgaaaatt cacccttgag tcncnatctt ctttgac 587

<210> 5453
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (601)...(87)
<223> similar to gil651355 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5453
ctacacgacg gtattcattt aggcggaacc atcctccatg tgcgtatcgc cagcggcggtt 60
gatatgggtc agttgcacaa tacttatttc ttcaaagtgt gatggaaatt acacggacgc 120
gtacgggcat ccagctgctg cgcgatgata ttttcccatg cggtagcgga cgctttgggtc 180
gaaccgggca tggcgaaaat cagcgttttg ttggcgacgc ccgctaccgc acgagattgc 240
aacgtggaag tgccaatctc ttcaaacgac aacatccgga acacttcacc aaaaccttca 300
acttcacggt cgaacaacgg cagcaatgct tcgggagcct gatcaccttc cgtcaggcca 360
gtaccacccg taatcaatac cacttgatga tcgtcgctgg cgatccacgc agatacctga 420
gcgcgaatag cgtagcgggt ttctttcaca atggctttat cgacaacgtg atggcccgtc 480
tcttgccgag aatcgcgagc atagtgcacg gaggtatcgt cttcttcacc gcgacgatta 540
gaaaccgtaa gaatagcaat acgggtcggg ataaattcag tgcttacctg actcatct 598

<210> 5454
<211> 454
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (4)...(179)
 <223> similar to gi2367275 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5454
 tgcggtctgc ctggtgaaat aaaacaacaa ctggaagagc ttgaaagcga ctggcgcaag 60
 caacacgctt tattcagcga acagcaaaaa tgtctgttta tccctggcga ctggttaggt 120
 cgcatagaag ccagcctaca ggatgtcggt gcacagattc gccaggcaca acaatgctaa 180
 cgctggatac gcttaatgtg atgctggccg tcagcgaaga gggattgatc gaagagatga 240
 tcatcgcaact gctggcctca ccgcagctgg cggctcttct tgaaaaattc ccacgcctga 300
 aggcggaat cactgatgat gttccccgct ggcgtgaagc gctgcgcagt cggctgaaag 360
 atgcccagat cccgcgggaa ctcaccgaag aggtgatgtg ctatcagcaa agccagctcc 420
 tctccacgcc acagtttatt gtgcagctac caca 454

<210> 5455
 <211> 2177
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1577)...(813)
 <223> similar to gi2736345 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5455
 tttttttttt ttaaatacaa atgtttttatt acgcaaacca catgtaggctc ccaggctcag 60
 gggcttaccc tacagccccc actggtccct ggctccaagc ctgctccttg cccttgccca 120
 ccctggaaag ccaggatctc ctatggagtg tgtagggtgc cagagtgta ccggtgtgcg 180
 ggccctcctgg gctgcaggca ctcaggcatg gtggcagcat tgagggaaag acaggtgttg 240
 gggagcgggg tccccacctg cccaggctca ggagtcacag gggctctgcac agtcctttct 300
 gctgtggaac acgtgataga tgctggctcg ggggaacata gcaacagcgc cgagcagaga 360
 gccacactgg atggccacgc cggctgccag caatgccggc cggccccgc catgcagcag 420
 ggagctggct gccaccttca cgtaggagaa cagccaaga cacagcacc acgacagcac 480
 cagaggacc acccccgcg aggtgccac caggggcggg caggggctca ggactgccag 540
 cgccatcagg tagcccccac agaacacgcc cagcagagag aggcgcgcca gccctgccaa 600
 ggacctgcac agcacacca tggccaggaa gcaggccagg ggattggcag cactgccag 660
 caccacagcc aggtggtagg ccagacgccc gtagggttaag caggaaaagc tctgcacggc 720
 aggcagcag ccatttgtca gcgcgttggt ggcgccaac aggccagca ggcaggcact 780
 gcgggctgat agaagctgat aggccttagg gtctggacca ggggtggtgc ctgctgcctg 840
 gcttggtggc tcttgcaagt gtgaggactc ttccacctct tctctgctc ctggggctcc 900
 cacctggagg cctgactcta actcccctgt gggtagagat ggtggtggcg gcaacagcag 960
 cagaagacc tggaaggcag cagctgaagc gaccagaagg gcagtcagt cccagaagaa 1020
 ggtgctggcg ggaacacgct caaggaagtc gagcgggggg ccaggggtgc cgttgatggg 1080
 ggctggcggg cactcgaggc ggcccacacc ctgcactagg gccagcacgc agggcagcag 1140
 ggcactcagg ccttgacca ggaagaatga ccgtaagaag cgaggtggca ggtggctcaa 1200

gaagggcagg	aaagtgacat	tcgaggcaca	gcatgccagt	gccagcaca	aggccagtgc	1260
taagaaggcc	acagaatgca	actgtcctgc	cactggggcc	acatggtgcc	acagagaggc	1320
cagcagggct	gtgcccacca	tgcccagcac	ctgcaccacc	cggatgggga	cctgctcgtc	1380
ctttcctggg	gccagcctcc	tccagagggg	caccaccagc	agaccaggt	tccccagagc	1440
cacaagcaca	gagacgtaag	aggggagggt	ccaaccctct	ggaagctctt	tgaccaccac	1500
aggtagctcc	acccagatcc	cattgaccgc	agcccaggag	cccatgccga	agagagccac	1560
cagcaggtgg	gtcagcaccg	gacgggcggg	cgtgggtgct	gccattcagc	ccaaggctgg	1620
gcccttccag	gtcagggcaa	aggtcacagc	cagttctttt	cccacctagg	gccagacacg	1680
ctttggctct	cctgggaagt	gaagactttt	tctagccagc	gggaccgccg	gcaggcaggg	1740
aagcaggaag	ccggcccag	tcgctgcggc	cccaggggag	gaggccgaag	gagcgagtgg	1800
agccctcctc	tccagggaga	ggcggggctg	gagtcaacgc	caccaccacc	ccaagccgga	1860
cgccgggaaa	gggcgcctac	caggaggagc	cacgcacacc	ccagggtctc	acggtgcccg	1920
cgaccgcaag	agccaagtca	gatcccaggg	gagtggccgg	gacggctctg	ctcggagggg	1980
cgccgccctc	tcggtaccgt	caggtgggcg	actcgggagc	cgtccgggtc	ctgcgcctcc	2040
cgggtcccgg	cccagtgcgc	tcccgtctca	gtgcgggctt	cccgccacgc	cgggacaccg	2100
ccgtccggcc	cagggaagcc	acctcagttc	ggagcgcgca	ggaccgggca	gcagccacga	2160
cccgaactac	ccgtggc					2177

<210> 5456
 <211> 1228
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (19)...(1004)
 <223> similar to gi3327222 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5456						
ctgcaggatt	cggcacgaga	atacagcgag	ctcctggaca	aggcttcgga	aactgatgat	60
ccatatgagc	gcatggttct	cgttgccgca	tttgagttt	caggatactg	ctccacctat	120
ttcagagcag	gaagtaagcc	attcaaccga	gtccttgggg	agacttatga	atgcattaga	180
gaagacaagg	gattccgctt	tttctcagaa	cagggttagcc	atcatccacc	catttctgcc	240
tgtcactgtg	aatcaaagaa	ttttgtgttt	tggcaagata	tcagatggaa	aaacaagttc	300
tgggggaagt	cgatggaaat	cctgcctggt	ggaacactga	atgtcatgct	tccaaagtat	360
ggagattact	atgtgtggaa	taaagtcacc	acttgcatac	acaacatcct	cagtgggaga	420
agatggatag	aacattatgg	agaagtaacc	atcagaaata	ccaaaagcag	tgtttgcat	480
tgcaaaactca	catttgtcaa	ggtgaattat	tgggaattcta	acatgaatga	agtccagggg	540
gtggtgatag	atcaggaggg	gaaggcgggt	taccggctgt	ttggaaagtg	gcatgaagga	600
ctctactgtg	gtgtggcccc	ctctgcaaag	tgcatttggg	gaccaggttc	catgccaca	660
aactatgagc	tgtactatgg	cttcacaagg	tttgctattg	agctcaatga	gtagatcca	720
gtactaaaag	atctccttcc	accaacagac	gcccggttcc	ggccagatca	aagatttttg	780
gaagaaggaa	atttagaagc	tgacgcatca	gagaagcaaa	gagtagagga	actccagaga	840
tctcggagac	gatatatgga	agaaaacaat	cttgaacata	tacaaaaatt	ttttaaaaaa	900
gttattgatg	ccaatcaaag	agaagcctgg	gttttctaacg	acacctactg	ggagcttcga	960
aaggaccctg	ggttttagcaa	agtagacagc	cctgttcttt	ggtagactgg	gaatgtagag	1020
ctagccaaca	tatcacattc	tgaatgaata	aataactatg	cacaattatg	tttcttatag	1080
ctatgtgtgg	tttctgggtc	gactgaaaac	ctaccatttg	cttttctatt	catctttata	1140
atggactttc	agaagtgcac	tagacaaggc	ccctaaccac	tttgggatcc	tttctgtttt	1200

gctgcaacca tattccttaa aaaaaaaaa

1228

<210> 5457

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1834)...(943)

<223> similar to gi4680693 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5457

gtaatgatgc	tacctgtcat	ttctgagact	ggtttgtgtc	tttcgtgttt	ttttctgac	60
tgtctggcta	gagggttacc	aattgatttg	attttcctca	aacttctggt	tacaatgatt	120
ctctctctct	ctcttttcct	gattatatta	atttctgttc	tgatctttgt	ttcctttcct	180
ctgcttactg	gattttat	gctcttttc	tggtttctta	ctgtaaaggc	agaagtcatt	240
gatttgcatt	gatttgagac	ttcttttcta	atgtaggcag	taagtgggtg	aaattccctt	300
ttagtatgac	tttagtggca	tctcacattg	atatgttttc	aatttcattc	agtttat	360
tatttat	ttaaattatt	tattttttt	tttattatt	tgagtgtgtg	agcccttcta	420
ttacgcaact	caaaatagaa	gcgtatctgt	tgtacaacat	gggtagtaat	tgactataac	480
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ttccaccttt	ttgtttgttt	gtgtacaatt	tgcaaaacta	ttctgaaagc	ggaatatatg	600
tgcaaaagtc	tgcaaaagag	gcaaat	gatatggtaa	atgctttaca	agttactttc	660
aaaaaactgt	ctgccacaac	tgagccttta	cattgtcatc	ttttttgatc	aaaatat	720
gatgccagcc	ttccttccac	tgccctaaac	tataaagcat	tttttaatga	gttgaaatta	780
aggaaggact	accctacta	gaaaaaaga	gaagaaagtt	ctattagttt	gagggttcag	840
aatcccccca	aaccaggacc	agtatcgtgg	taaaggctag	gctgggaccc	cggacagagt	900
atgagaatgt	gcagggtggca	tccctgagga	ttcagagctt	cagtggaccg	tgagtgtctc	960
agctgcataa	ctcactgaac	tgtcttgcca	gtttctacac	tggtctgact	gggcataatt	1020
caaaaacgaa	aaactcatat	tattccatt	cttctggagc	tctgtgatag	catttaataa	1080
cacccaatg	ggatgtcttc	cacatatagt	attatgggat	ttcttcaagt	aattgctaaa	1140
agatacaggg	tctaattgtt	ctataatact	cataccatt	ttatctagat	gttcaatgga	1200
tctataaatc	tccccctggg	attcatcata	gtaactgtaa	cggaaccttt	gacccaatg	1260
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aaactcatcc	ttatggcttt	ccatggcttt	agctgtataa	ggcaaatgca	tttcaatact	1440
gtgttcatct	tcatctgtct	gcagagacat	gcgttcaaac	attcctgtct	tccacagt	1500
tccgtaaatc	ttttgggtcaa	tacgaaggct	atacagaggt	gtcctatata	tatccacact	1560
ggaaagtgca	catcgagaga	ggggcacatg	atgagaaggc	ccaaggatga	aaattctccg	1620
ggtaatagac	ggatccactt	gtttataagc	atgggcagca	caagaccac	agtacgtata	1680
tctgtcatgg	ggggcaataa	tggctctagc	aggtcttttt	gtagactgta	cttgtgaaag	1740
ccaaccttct	agctgtgcat	tcagctgcgg	tcctgaggct	gtgtaccagc	tcccggcgtg	1800
actggcttct	cggcagacca	ctcggttgga	cat			1833

09488735 "0.12.100

<210> 5458
 <211> 970
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (239)...(603)
 <223> similar to gi399711 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5458
 ttgcggaatt cggcacgagg ccgactacaa cagattggag ccatggcttt ggaacagaac 60
 cagtcaacag attattatta tgaggaaaat gaaatgaatg gcacttatga ctacagtcaa 120
 tatgaactga tctgtatcaa agaagatgtc agagaatttg caaaagtttt cctccctgta 180
 ttctcaciaa tagttttcgt cattggactt gcaggcaatt ccatggtagt ggcaatttat 240
 gccaaacatt aaaatatctc gaccctaaa agttctgctc acagtcgtta tagttttcat 300
 tgtcactcaa ctgccttata acattgtcaa gttctgccga gccatagaca tcatctactc 360
 cctgatcacc agctgcaaca tgagcaaacg catggacatc gccatccaag tcacagaaag 420
 catcgcactc tttcacagct gcctcaaccc aatcctttat gtttttatgg gagcatcttt 480
 caaaaactac gttatgaaag tggccaagaa atatgggtcc tggagaagac agagacaaag 540
 tgtggaggag tttccttttg attctgaggg tcctacagag ccaaccagta ctttttagcat 600
 ttaaagctca tccataataa ctccgggacg actgactaca caaggagaga atggtgattg 660
 gcatttacct gtcatacaga agcaagagca atcaaggcat agtccacgtg gctgagtcgg 720
 ctgacagctg gcaaaaacaa gttccagaga ccctcgactt tggccatttc ctgtcaaggt 780
 gatgaacatg ccagagtgc cacaatttac caggactcac agtagtttat ttcttttttt 840
 aaatattggt atttatgac tttgaaattt aaaaacactt atggagttat ttattttact 900
 gtattctcca gtgagcaaaa ccaagttcct attaatcat tataaatcaa cagtttaacc 960
 attaaaaaaaa 970

<210> 5459
 <211> 1329
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (146)...(284)
 <223> similar to gi6013425 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5459
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 ttttgtgaaa ggagaactgg tactttgcgt gaggttaaac ttcacaaacc gctgctcaga 120
 aatctgctat tttccttctc ttttaggact ttatggacag cagcctgcta accaagtcac 180
 cattcgagag cgctatcgag acaacgacag cgacctggca ctgggcatgc tggcaggagc 240
 agccacgggc atggccttag ggtctctatt ttgggtcttc taggggcctc aaggtcttga 300

tgtgcatagc	ttctgataac	cctgtgtgca	ataatatgat	ttgcagggca	tttctgtttg	360
tgacaaaagt	ttttaataat	agttttaatc	attcctttga	aagtagtgat	gtcataattg	420
tactaatcca	cataagtacc	acagagaagg	gtttgaactg	tgctattttg	ttcaaagtgt	480
gactctccgg	gggcactggc	tcattccaag	actgttcttg	tgcaactctc	agaatacctt	540
at ttgagcat	acctgttttg	aaaggcattt	tctttttaga	gttaggtgta	gtgcttaagg	600
gttaatttat	tttcatgtta	tgccagtaat	atagtgttgt	atgcctattg	agtgattgtg	660
gcaagaaaag	ctacagcttc	tttgcgttta	actttttcaa	accacagacc	agaactgggt	720
gcatgttact	ttaggagttg	tgggttggtg	agctcccagg	tacttcccga	ggctatgggtg	780
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gccggggccg	atcacgaagg	tcaggaagat	cggagaccat	cctggctaac	acggtgaaac	1140
cccattcttct	actaaaaata	caaaaaatta	acctgggcgt	ggtggcaagg	cgcctgtggt	1200
cccagctact	cgggaggtcg	aggcaggaga	atagtgtgaa	cccaggaggc	ggagcttgca	1260
gtgagccaag	atagtgccac	tgcacttcag	cctgggtgac	agatgtgaga	ctctgtctca	1320
aaaaaaaa						1329

<210> 5460
 <211> 1916
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1917)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1614)...(1414)
 <223> similar to gi4490420 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5460						
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cattataaaa	cctagggggg	gtttggaggg	ggcctgagcg	atatgcaaac	agggaggacc	180
ttcaggaaaag	ctcggggccag	ggtcggggat	gaggaaggga	aggggcacag	tacttcatat	240
gaaactcata	aatacccaca	ggtggctgct	ggacaggccc	agctggctct	gggggcctgg	300
gtgttaagaa	gggacagcag	gtgaagggtt	aaccttcagt	cccagaaac	tgggtctggg	360
agctgctact	ctaggcaggt	agattgaggt	ggggaagaac	ctaagggagc	agtgccccac	420
caagggtttg	tcagattcaa	gcctcaggca	agagaaaaat	caaaagcctt	ctgctactct	480
ctccctctgg	gcctctggtc	tgcccagagg	ctgggactcc	ttcctctacc	ttgctctcaa	540
tctggagggt	gctggggggg	gccccatctt	cctggggccc	ctggctggct	tgtgggctaa	600
tgaggtgcta	atgggggtcta	gtagctgctg	tgctcccttc	ttcatgccca	gtctgaaaca	660
ggtgctcccc	taaccacagc	cccctcgatg	aggctccact	ccacactgca	gagtctctcc	720
cctaccctgc	ggccagcccc	cgcgccaggg	aggtagtata	aacctgggct	ctggggacaa	780
gcagccctgg	atgagaactc	cagctctgcc	cacctctcct	gtgggtccct	caacttctctg	840

gagcctgggc	acttcatctg	aaaccagag	acctacgctg	ctgtgcggag	tctgaggacc	900
acacaagcca	tgcaaggagt	ctgggcacca	ggcctgggac	acaaangggg	caaggaagtg	960
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acgcgaggct	gggcagagca	gggtgatggg	gggtcagcgc	cccggacagg	ctgccccacc	1200
gttgagccct	cctctcctct	cttctcccac	aattaaagcg	cagaacagtg	gcagggagtg	1260
tgtgtgctgg	ggtaggtggg	gaggcctcct	gggtcctggg	cctgaggcct	ggcaggtaga	1320
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ccctgcatcc	ttaaggaggc	gcagagggca	ccctagtctt	tgacgagctt	gtagacatgg	1440
tgctggggcc	cgtgctcact	ggtggagact	tcgaagacaa	aagcaatgac	aagcagggtc	1500
tccctgggagt	cccggctcgt	gaccacctgc	aggatggtga	agttctccag	cacgtgttc	1560
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ctcacctgcc	catcatgctc	ccccaaaggt	gggtgggggt	acagtggcca	cacatgtctg	1800
aggctgaagg	tgtcccctat	ccccacctct	ctgaggtcac	gcgaggctgg	gcagagcagg	1860
gtgatggtgg	gtcagcgcgc	cggacaggct	gcctcgtgcc	gaattcctgc	agagcg	1916

<210> 5461
 <211> 414
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (53)...(128)
 <223> similar to gil763291 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters -

<400> 5461						
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cgagaaacta	catgatatga	taattaaaag	gagaaaaatg	ttgcggcaac	agaaaaagaa	120
gagatgaatg	gcagtacctt	ttatatgggt	gtggaatagg	ttttcctggg	tctgatttct	180
gacaagctga	agagtgtcta	cagcctgggt	tgctgtctg	ccctcatgga	tgctattaaa	240
gctttgtttt	gttgaacagt	cagataccca	actctgttgc	cttgtggaag	atgagtcaat	300
gcaatgcttc	ttaaagtggg	ctcttctccc	tgaccacaaa	atcttttggg	actaccattt	360
tgggaagtca	aaaaaggcta	gtaattgacc	agaaaacaat	tttgtggaaa	tttg	414

<210> 5462
 <211> 5980
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(1892)

<223> similar to gi3327216 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5462

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ccagtggatc	aagcaaatac	tcttaagtct	cctgtttctg	aaagtgtgag	cccagtggta	180
cctgattatt	tgccctacaga	aaatggggat	tttttgtctt	caaaaagaaa	acaaattagt	240
agggatataa	atagaattag	aagtgttaact	gttaatcata	tgtcagacaa	cagatctatg	300
agtgttgacc	ttagccatat	ccctttaaag	gatcctttgc	tttttaaatac	agctagtgat	360
acaaatctgc	aaaaaggcat	ttcttttatg	gactatttat	cagataaaca	tttagggaaa	420
ataagtgaag	atgaaagtag	tggacttggt	tacaaaagtg	gctcaggaga	aattggatca	480
gaaacaagtg	acaaaaagga	ttcatTTTTat	acagattcaa	gtagtgtctt	aaactacaga	540
gaagattcga	atatactttc	atttgatagt	gatggtaatc	aaaacatact	ttcaagtact	600
ttaactagta	aaggaaatga	aaccatagag	tccatcttta	aagctgaaga	tttgcttcca	660
gaagcagctt	cactctctga	aaacctggat	atcagtaaag	aagagacccc	cccagttaga	720
acacttaaat	cacagtcatac	tttaagtggg	aagcctaagg	aacgttgccc	acccaacctg	780
gctcctctct	gtgtttctta	taagaatatg	aaaagaagct	cttcacaaat	gtcattggat	840
accatttcac	ttgacagcat	gatattggaa	gaacagttat	tagaaagtga	tgggaagtga	900
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gcagaaagtg	tgaatgctgg	tgcaaaccta	cagaattatg	gtgaaacttc	tccagatgcc	1020
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tttaaaatta	ctggtgttaa	tggggaaatt	gacatccgag	gggaagatac	agaaatctgt	1140
cttcaagtga	accaggtgac	accagaccaa	ttaggcaata	tcagccttcg	gcattacctt	1200
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aggctgaggc	acgagaatcg	cttgaaccca	ggaggccaag	gctgcagtga	gccacgattg	5940
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